

**An Inventory of Water Use, Sources, Reliability,
Quality and Adequacy in Rural Ohio, 1962**
(By Major Watersheds and Counties)

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AN INVENTORY OF WATER USE, SOURCES, RELIABILITY, QUALITY AND ADEQUACY IN RURAL OHIO, 1962¹

John H. Sitterley and Donn A. Derr²

INTRODUCTION

For centuries water has been essentially a "free good" in the humid areas of the world. This century, with an accelerating increase in population and industrial growth, as well as more uses for water, has seen water become an "economic good" and rapidly move up the scale of scarce resources in one community after another.

Water when man wants it, when he needs it, and in the desired quantity and quality is being obtained at an ever increasing cost. This is as true for farm and non-farm rural residents as it is for urban people and industry. Exact comparison of these costs is not well established. However, a high proportion of rural users rely upon drilled wells. The cost of wells, pumping and distribution systems requires significant investments of capital and annual expenditures.

The rapid increase in water usage and recurring water shortages have motivated many urban and industrial areas to make comprehensive inventories of their present and potential water resources. Such inventories enable some projection of need and forward planning to keep supplies in line with expanding demands.

Because of the dispersed pattern of the rural population, little information is available on present water use, supply, and potential future needs. So, despite ownership of large acreages of land, farm and rural non-farm families lack the strength in planning councils to assure both an equitable and economic use of future water resources.

In January 1963, an inventory of rural water usage, sources, dependability, quality, and adequacy was undertaken. Its purpose was to secure information on water characteristics by counties and watersheds in areas outside of corporation limits for use in local, state, and regional planning.

The inventory was made by the Dept. of Agricultural Economics and Rural Sociology of the Ohio Agricultural Experiment Station as a state contributing project to North-Central Regional Research Project 57.

Cooperating were the Ohio Dept. of Natural Resources, Ohio Dept. of Health, Dept. of Agricultural Engineering of Ohio Agricultural Experiment Station, Ohio Farm Bureau Federation and Farm Bureau advisory councils.

INVENTORY METHOD

A total of 20,000 pretested questionnaires were mailed to secretaries of Ohio Farm Bureau advisory councils.³ A covering letter of instructions gave procedures for filling out the questionnaire. Approximately 6,500 questionnaires were returned by council secretaries to the Ohio Agricultural Experiment Station. Followup work was done in some areas to secure a more adequate sample.

Land area represented by the usable questionnaires amounted to 3.4 percent of the "inventory acreage" in the state.⁴ Sample areas varied from .8 percent to nearly 9 percent of the inventory acreage in major watersheds of the state.

PREPARATION OF DATA

As questionnaires were received, they were coded by counties, major watersheds, and minor watersheds. All were checked carefully for completeness and consistency. Of the 6,500 schedules, 4,308 were usable. Many were complete and consistent except for one or two essential points. Questionnaires not included were either only partially filled out or the desired information was obviously recorded wrong.

When coding of data was complete, the information was transferred to IBM cards for processing. Accuracy was checked by use of a "print out" on the cards.

DEFINITION OF TERMS

The following terms are used throughout this study:

1. Farming Unit—all real estate operated under one management, whether owned or rented or some of both. For non-farm rural residence, it includes the area occupied by the house, lawn, and garden.

¹Conducted as a contributing project to North Central Regional Research Project NC-57.

²Acknowledgments: The authors express their appreciation for significant assistance in the organization and conduct of this study given by: M. L. Palmer, Extension Agricultural Engineer; Prof. John A. Slipper, Dept. of Agronomy; Dr. W. A. Wayt, Dept. of Agricultural Economics and Rural Sociology; and to Douglas Stanfield and members of the Farm Bureau advisory councils.

³Approximately 16,000 farm and rural non-farm families are members of these councils. January meeting attendance normally represents between 10,000 and 12,000 families.

⁴Inventory acreage is defined below. The definition is the same one used in The Ohio Soil and Water Conservation Needs Inventory, Ohio Agricultural Experiment Station, Wooster, Dec. 1961, p. 10.

2. Major Watershed—all land in which water drains to a common point, usually a river. There are 18 major watersheds in Ohio and each is generally more than 250,000 acres.
3. Minor Watershed—part of and completely within a major watershed. It includes all land draining to a common point, usually a creek or small river, which empties into the common drainage point for the major watershed.
4. Household—a dwelling unit and persons who occupy it. A single family house is one household; a double house, two households. The average persons per household is obtained by dividing the persons in households by the number of households.
5. Reliability of Sources—dependability or degree to which one can secure water from a source.
 - A. Highly Dependable Source—source furnishing a constant supply of water throughout the year.
 - B. Occasional Failure Source—source producing water except for a few days 1 year in 3.
 - C. Frequent Failure Source—inadequate source for several weeks 2 out of 3 years.
6. Quality of Water—purity or freedom from bacteria, organic matter, and dissolved salts and acids making water unpalatable or unfit for human consumption.
7. Water Using Equipment—items that use water to function. Washing machines and garbage disposal units are examples.
8. Water Conditioning Equipment—devices to improve the quality of water to make it suitable for human consumption. Water softeners and sediment filters (sand) are examples. Many water conditioners also use water for regeneration.
9. Inventory Acreage—the acreage of the county, area, or state remaining after deducting from the total land area: (1) Federal land except cropland operated under lease or permit, (2) urban and built-up areas, and (3) water areas less than 40 acres in size or streams less than one-eighth of a mile wide.

USE OF TABLES

Most of the tables consist of "raw" data with few figures that can be compared directly. Although in most cases averages and percentages are not shown, data should be compared in relative terms rather than in the absolute sense. In comparing figures, the

number of schedules involved in each area should be considered.

The phrase, schedules not reporting, is used in the tables to indicate those who gave no reply to a specific question.

GENERAL FINDINGS FOR STATE

For the state as a whole, approximately 95 percent of respondents reported at least one highly dependable water source.

Drilled wells were the most common source of water for the 4,308 respondents, followed by cisterns and springs. Drilled wells were reported as the most reliable of all sources and dug wells the least reliable.

Cisterns were used mainly for household purposes. Drilled wells were used largely for the household and livestock. The main uses of springs, streams, and farm ponds were for livestock and recreation. A large proportion of the streams, springs, and farm ponds were put to little or no use. Less than half of the families with ponds reported the ponds used for recreation (swimming or fishing).

The 4,308 usable schedules represented 6,616 households with an average of 3.62 persons. Of this average number, .42 were children under 5 years of age, .98 were 5 to 16 years, and 2.22 were over 16 years.

Of the 6,616 households, 6,136 had water pressure systems, 5,745 had bathrooms, 3,046 automatic washing machines, 588 dishwashers, and 180 garbage disposal units.

At least one water quality problem was listed on 2,517 schedules and 1,542 reported two or more quality problems. The most common problems reported were hardness, iron, and sulphur.

The number of respondents testing their water supply for bacterial contamination was 2,349. Of these, 2,076 reported their water safe.

In terms of adequacy, 538 or 12.7 percent reported running out of water one or more times in the preceding 5 years. Restricted household use of their present water supply was reported by 403 and 130 reported livestock use restricted by the present water supply.

GENERAL FINDINGS FOR MAJOR WATERSHEDS AND COUNTIES

Considerable differences were found among major watersheds and counties. For instance, the proportion of respondents having one or more highly dependable sources of water varied from 84.6 to 98.1 percent.

A wide variation existed in the importance of different sources of water. In some watersheds and some counties, dug wells and springs were much more important relative to drilled wells. There was also significant difference in the availability and reliability of water from streams for livestock and other uses.

Problems of quality and purity varied greatly among watersheds and counties, as did the frequency of respondents reporting water shortages.

No data is reported for some watersheds and some counties because of the small number of usable questionnaires. Counties or watersheds with less than 21 schedules are not included.

For the major watersheds and counties for which data is presented, it is essential that the size of the sample be considered.

MINOR WATERSHEDS

Some of the more significant data has been tabulated by minor watersheds where the number of respondents provided enough information. This information is not included in this report. Persons interested in such information may obtain it from the Dept. of Agricultural Economics and Rural Sociology, The Ohio State University, 2120 Fyffe Rd., Columbus, Ohio.

FUTURE STUDY PLAN

This publication will be followed by another study consisting of a more complete analysis of water use, sources, dependability, quality, and adequacy in the Huron-Black watershed. This will be a pilot study in an attempt to develop a technique for measuring water consumption in households and farm operations.

In determining household use, factors to be considered will include the number of people and kinds of water-using and conditioning equipment. Factors such as number and kind of livestock, irrigation, spraying, and other uses of water also will be considered in arriving at water consumption figures.

A third phase of the project, to be initiated in the future, will be concerned with the monetary costs of supplying water for farm and rural non-farm people from various sources and by various means.

APPENDIX

The appendix includes the following:

1. Letter of instructions to discussion leaders of Ohio Farm Bureau advisory councils who administered the questionnaires.
2. Questionnaire schedule form.
3. Questions for discussion by council members following completion of the questionnaire.

APPENDIX

LETTER OF INSTRUCTIONS

January 1963

TO: Discussion Leader

FROM: Education Department

The Advisory Council Guide for this month is somewhat different from usual. It is a questionnaire on water use that has been developed by the Ohio Agricultural Experiment Station, the Ohio Water Commission and Ohio Farm Bureau Federation.

This questionnaire is designed for all Council members living in the rural areas, both farmers and non-farmers. It would be helpful to have husband and wife sit together and cooperate in answering the questions for the land they farm, if farmers, or the tract of land on which they live, if rural residents. We hope that all your members will participate since the committee making this study is eager to have a good response. In order to introduce the subject, you might read the brief statement on the front page of the questionnaire. Following that, distribute the Guides and ask each family present to write in the answers to the questions before starting the group discussion for the evening.

In order to have good reporting from Council members, the committee responsible for the study gave some brief instructions to supplement those included in the questionnaire. It would be best if you would read the statement for each section and then have the members fill it out before reading the next section.

Section I.

So that we may summarize the information by the different watersheds in the state, please provide us with the location of your farming unit or residence. For instructions on what constitutes your farming unit, see Section II of the questionnaire. If you are operating two tracts of land that are more than 3 miles apart, include only the tract on which you live in your answers.

What is a household? It is a dwelling unit. For example, a single family house is one household, a double house -- two households. First, indicate the total number of households in your farming unit by circling the number. If more than three write the number in the blank square. Second, indicate, by the same procedure, the number having water-using equipment and third those having water-conditioning equipment.

In recording the total number of persons in the household, do not include as members of the household persons who reside elsewhere most of the time, such as college students.

Section II. LAND IN THE FARM UNIT

If you are a rural non-farmer list the acreage in the tract on which you live in the square provided for the total.

Section III. LIVESTOCK ENTERPRISES NORMALLY CARRIED

We have fairly accurate data on water requirements per head for the different types of livestock. To estimate total water requirements for your farming unit, we need the typical or average number of breeding animals carried. For example, if you now have 29 milk cows but try to keep on the average 32 dairy cows, list 32 milk cows. If you produce market hogs, fat cattle, lambs, etc. list the number of each sold in 1962.

Section IV. WATER RESOURCES SERVING THIS FARM

For instructions on how to answer, see example at the bottom of this section. If you happen to have a driven well, consider it in the same category as a drilled well.

Section V. WATER USE BY SOURCES

In Section V we want you to check the use you make of each of the sources listed in Section IV.

Section VI. WATER USED FOR IRRIGATION, SPRAYING, ETC.

If you applied a sufficient quantity of water to your lawn or garden during 1962 to have a recognizable effect on growth, indicate by writing in yes in the proper space. If little or none, write no.

In 1962, if you irrigated a crop such as corn, potatoes, pasture, commercial vegetables, trees, or small fruit, list the crop irrigated, the acres receiving water and the number of times applied. Please check the other regular uses made of water.

Section VII. QUALITY OF WATER

Be sure to have each family answer all of the questions in this section, including the section on the testing of water. List any hardness, iron or other conditions that exist in your home or milkhouse water supply, even if you don't consider them as problems.

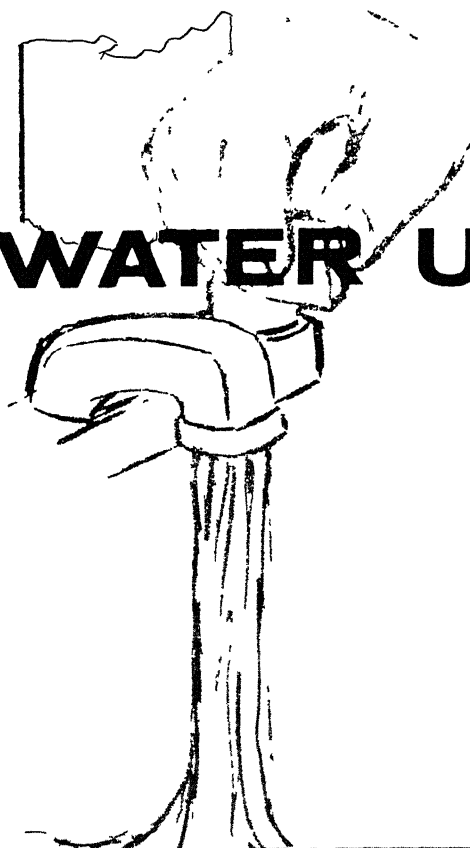
Section VIII. ADEQUACY

If you are having water problems now or find that your water resources restrict your present activities, this is highly significant and should be clearly indicated in your answers.

INSTRUCTIONS TO DISCUSSION LEADER FOR
CHECKING AND RETURNING QUESTIONNAIRES

As each family completes the questionnaire, please check it over with them to see that all of the questions have been answered. An envelope has been included in your packet for sending the completed questionnaires to the Ohio Agricultural Experiment Station where they will be summarized and a report prepared. Discard those that were not used and return only those that have been filled out in order to decrease cost of postage. Send your Council minutes to Farm Bureau as usual. After the questionnaires have been turned in, discussion questions on the enclosed green sheet can serve to guide the Council discussion. We urge your secretary to return the questionnaires to the Ohio Agricultural Experiment Station promptly.

OHIO WATER USE INVENTORY



Water use is expected to double by 1980.

Water can become our most limiting resource before the turn of the century. There is relatively little information available in Ohio on

1. the present extent of water usage on farms
2. the sources of water used on farms
3. dependability, quality, and adequacy of these sources
4. the limitations imposed today on farm families and farm operations by existing water resources.

Information on these matters is critically needed to give direction to research, planning, and legislation that will enable the citizens of Ohio to make the maximum use of this valuable resource.

Effort is being made to obtain this needed information from farmers and families living in the open country. This questionnaire is a part of that effort. It is jointly sponsored by the Ohio Agricultural Experiment Station, the Ohio Water Commission, and the Ohio Farm Bureau Federation.

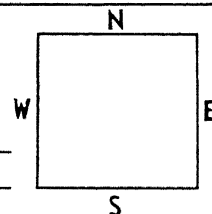
Your cooperation in this study will be mutually beneficial. Please answer the questions as completely and accurately as possible.

I Members Name _____ Address _____

Location of farm or dwelling – County _____ township _____

Think of the small square on the right as a map of your township. Please place a small x at the approximate location of your farm or dwelling in your township.

Please check your situation – (a) operate own land only _____
 (b) operate own land & rents additional _____ (c) operate rented land only _____
 (d) own land but rent it to others _____ (e) non-farm rural resident _____



Households or families on this farm or parcel of land –

1	2	3	
---	---	---	--

We humans use but little water if we have to pump and carry it. Automatic washers, flush toilets and other modern household equipment greatly increase our water use:

Number of households having water-using equipment on this farm. Please indicate number of households

0	1	2	3	
0	1	2	3	
0	1	2	3	
0	1	2	3	
0	1	2	3	

have water under pressure
 have bathrooms (with flush toilets)
 have automatic washing machine
 have mechanical dishwasher
 have garbage disposal

Water conditioning devices increase satisfaction and pleasure in use of water, but some of them also increase water use.

Water conditioning equipment serves how many households on this farm?

0	1	2	3	
0	1	2	3	
0	1	2	3	
0	1	2	3	
0	1	2	3	
0	1	2	3	

Water softener
 Iron and sulphur filter
 Sediment filter (sand)
 Carbon filter
 Chlorinator
 Other conditioner

Young folks, especially babies, greatly increase water use

Total number of persons in above households:

Under 5 years of age _____ 5 to 16 years of age _____ over 16 years of age _____

Water use on farms varies according to the kinds of crops grown, the livestock kept and the system of handling livestock.

II LAND IN THE FARMING UNIT

(Include all farm real estate operated under one management, whether owned or rented or some of both)

enter acres (omit fractions)

	Cropland in rotated crops
	Permanent pasture land
	Orchard or commercial fruit
	Woodland
	Idle and/or wildlife area
	Farmstead, lanes and service area
	TOTAL ACREAGE in farming unit

III LIVESTOCK ENTERPRISES NORMALLY CARRIED

	number	yes	no	
Milk cow herd				pipeline milker bulk milk tank Grade A
Young dairy stock				
Beef cow herd				
Beef cattle fattened				
Sows and gilts				
Market hogs sold				
Brood ewe flock				
Lambs fattened				
Laying hens				
Broilers				
Turkeys				
Other				

Hundreds of Ohio farmers still haul water to supplement unreliable home supplies.

IV WATER RESOURCES serving this farm

---and their RELIABILITY

What sources of water exist and are usable on this farm? Check in the box or encircle the digit indicating how many wells, springs, etc.

(see example at bottom of page)

Appraise the reliability of these sources (see example below)

OFF-FARM SOURCES:

Public pipeline

Tank truck

ON-FARM SOURCES:

	1	2	3	4	5		highly dependable	Occasional failure: few days, 1 year in 3	Frequent failure: weeks, 2 years in 3
Drilled wells	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Dug wells	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Cisterns	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Springs	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Streams	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Farm ponds	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Natural lakes	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Gravel or borrow pits, stone quarries	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Example: Suppose there are four springs on the farms. One is very reliable, two usually flow the year around, one dries up each summer. Mark appraisal as follows:

Springs

1	2	3	4	
---	---	---	---	--

Water is vital in every phase of a farming operation,
and we are finding new uses, new needs
for water all the time.

V WATER USE by sources

- U S E S -

CHECK THE USE OR USES TO
WHICH WATER FROM EACH
SOURCE IS BEING PUT

- S O U R C E S -

	for household and/or milkhouse use	for livestock use (for drinking)	washing milking parlors, feeding floors, etc.	for irrigating	for fire protection and/or spray	for fish and/or swimming	put to slight or no use
Public pipeline							
Tank truck from off farm supply							
Drilled wells							
Dug wells							
Cisterns							
Springs							
Streams							
Farm ponds							
Natural lakes							
Gravel or borrow pits, stone quarries							

VI WATER USED FOR IRRIGATION, SPRAYING, ETC.

IN 1962

(Check or fill in blanks)

IRRIGATION: Lawn sprinkling _____ Family Garden _____

CROPS (specify)

_____ acres _____ water applied _____ times
 _____ acres _____ water applied _____ times
 _____ acres _____ water applied _____ times

SPRAYING:

ORCHARD: _____ acres _____ number of sprays _____ gal. water each time

POTATOES: _____ acres _____ number of sprays _____ gal. water each time

FIELD CROPS: _____ acres _____ number of sprays _____ gal. water each time

OTHER USES OF WATER:

Check if regularly used for (a) flushing milking parlor _____ ;
 (b) flushing feeding floors _____ ; (c) washing vegetables for market _____ ;
 (d) washing farm equipment, autos, trucks etc. _____ ; (e) other - specify _____

Satisfactory water quality is essential for health, convenience and efficient production

VII QUALITY OF WATER

Do you have problems of quality of water
in home and/or milkhouse supply?

☐

no

☐

yes

check your
problems

	Hardness		Silt
	Iron		Sand
	Sulphur		Algae
	Odor		Organic matter
	Color		Acid
	Cloudy		Salts

When was the home and/or milkhouse water supply tested for bacterial contamination?

check

☐

Not tested

☐

1 to 2 years ago

Results of test:

☐

Found safe

one

☐

More than 2 years ago

☐

During 1962

☐

Unsafe

An abundant water supply can mean greater production and increased profits.

VIII ADEQUACY

How many times in the last 5 years have you run out of water? _____

Does your present water supply necessitate that you restrict household use of water? _____

that you restrict livestock numbers? _____

that you restrict any other use of water? _____

If you had a larger water supply, would it affect your farm organization and operation? _____

____ yes ____ no

if yes, how? _____

Topic for February: "Marketing Our Farm Products More Profitably"

LISTEN to your Advisory Council Program

"WHEN NEIGHBORS MEET"

WRFD Sundays at 12:30 p. m. 880 on your dial



DISCUSSION GUIDE

Our Water Problems

Discussion Questions

1. How has our water usage changed during the past 10 years:
(a) in the home? (b) in the barn? (c) in the field?
2. What changes have we made in our water supply system during the past 10 years? Why?
3. Are the water resources on our farms adequate to meet possible future needs for: (a) increased household use? (b) enlarged livestock programs? (c) crop irrigation?
4. What changes, if any, have we observed in the ground water and surface water supplies on our farms and in our community during the past 10 years?
5. Have there been instances in our community where the question of legal rights to use water has arisen? If so, how was the question resolved?
6. Are problems of pollution by sewage, industrial and farm wastes increasing in our community? If so, is there anything we can do about these problems?
7. Many communities in Ohio are suffering from periodic water shortages. What is the future outlook for our community in regard to the adequacy of the water resources?

FINDINGS FOR STATE, MAJOR WATERSHEDS, AND COUNTIES

ITEM (For definitions, see text)	WATERSHED								WATERSHED									
	State	Maumee	Portage	Sandusky	Huron- Black	Cuyahoga- Chagrin	Grand	Wabash	Miami	Little Miami	Ohio Brush Whiteoak	Scioto	Raccoon Creek	Hocking	Muskingum	Little Beaver Sunfish	Mahoning	
SCHEDULES, TENURE, & HOUSEHOLDS																		
1 Schedulesnumber	4308	791	287	208	324	78	39	42	572	172	53	431	48	108	846	182	104	
Tenure of respondents																		
2 Operate own land only . . percent	39.8	30.7	26.8	38.4	33.6	41.1	53.9	59.5	35.9	34.8	64.1	40.4	56.1	57.4	55.2	71.9	55.7	
3 Operate own land & rent . percent	30.6	39.1	41.8	27.9	39.8	24.4	25.6	26.2	32.5	25.0	20.8	28.5	29.2	25.0	27.9	14.8	26.0	
4 Operate rented land only. percent	12.4	18.1	19.5	15.4	9.9	3.8	0	4.8	17.3	25.6	5.7	17.9	2.1	3.7	4.2	2.2	2.9	
5 Own Land, but rent to others. percent	7.5	8.6	9.1	12.5	5.9	3.8	7.7	9.5	8.2	7.6	7.5	9.0	6.3	7.4	6.4	3.7	7.7	
6 Non-farm rural resident . percent	9.7	3.5	2.8	5.8	10.8	26.9	12.8	0	6.1	7.0	1.9	4.2	6.3	6.5	6.3	7.4	7.7	
Households																		
7 Totalnumber	6616	1169	435	311	547	114	55	64	893	316	70	772	67	176	1186	238	166	
8 Hshlds. per schedule . . . average	1.54	1.48	1.52	1.50	1.69	1.46	1.41	1.52	1.56	1.84	1.32	1.79	1.40	1.63	1.40	1.31	1.60	
9 Schedules with 1 house. . .number	2790	524	192	139	184	54	26	27	365	91	39	226	35	73	597	136	65	
10 Schedules with 2 houses . .number	1017	191	61	45	88	19	10	9	132	45	12	119	9	17	192	39	26	
11 Schedules-3 or more houses.number	501	76	34	24	52	5	3	6	75	36	2	86	4	18	57	7	13	
HOUSEHOLD WATER USING EQUIPMENT																		
12 Water under pressurenumber	6137	1111	407	301	522	109	54	54	843	284	62	701	59	164	1092	190	154	
13 No water under pressure . . .number	479	58	28	10	25	5	1	10	50	32	8	71	8	12	94	48	12	
14 With bathroomsnumber	5745	1063	399	287	504	109	52	50	767	264	51	633	56	154	1014	168	147	
15 No bathroomsnumber	871	106	36	24	43	5	3	14	126	52	19	139	11	22	172	70	19	
16 Auto wash machinesnumber	3046	637	244	155	267	65	35	31	424	157	14	347	19	72	424	61	80	
17 No auto wash machinesnumber	3570	532	191	156	280	49	20	33	469	159	56	425	48	104	762	177	86	
18 Mechanical dishwashers . . .number	588	88	35	26	68	21	6	2	68	39	5	85	3	13	92	10	24	
19 No mechanical dishwashers . .number	6028	1081	400	285	479	93	49	62	825	277	65	687	64	163	1094	228	142	
20 Garbage disposalsnumber	180	31	9	10	17	6	1	1	32	5	0	22	0	8	27	4	7	
21 No garbage disposalsnumber	6434	1138	426	301	530	108	54	63	861	311	70	750	67	166	1159	234	159	
HSHLD. WATER CONDITIONING EQUIPMENT																		
22 With water softenersnumber	1697	421	179	112	64	38	6	21	279	50	2	236	4	38	183	17	46	
23 No water softenersnumber	4919	748	256	199	483	76	49	43	614	266	68	536	63	138	1003	221	120	
24 Iron & sulphur filtersnumber	401	87	22	15	22	6	2	6	79	16	0	65	2	1	56	5	17	
25 No filtersnumber	6215	1082	413	296	525	108	53	58	814	300	70	707	65	175	1130	233	149	
26 Sediment filtersnumber	269	34	11	13	46	1	2	2	37	18	12	29	1	5	41	6	8	
27 With no sediment filters. . .number	6347	1135	424	298	501	113	53	62	856	298	58	743	66	171	1145	232	158	
28 With carbon filtersnumber	38	9	3	1	4	0	0	1	6	2	0	2	0	4	3	1	2	
29 No carbon filtersnumber	6578	1160	432	310	543	114	55	63	887	314	70	770	67	172	1183	237	164	
30 With chlorinatorsnumber	83	8	5	2	31	0	1	0	5	4	1	8	2	1	11	2	2	
31 No chlorinatorsnumber	6533	1161	430	309	516	114	54	64	888	312	69	764	65	175	1175	236	164	
PERSONS IN ABOVE HOUSEHOLDS																		
32 Up to 5 yrs. old . . . av. per house	.42	.44	.43	.46	.50	.46	.45	.63	.43	.45	.24	.40	.24	.48	.39	.35	.33	
33 5 to 16 yrs. old . . . av. per house	.98	1.09	.98	1.03	1.19	.92	.96	1.67	1.05	.92	.50	.88	.70	.95	.92	.88	.71	
34 Over 16 yrs. old . . . av. per house	2.22	2.18	2.25	2.22	2.21	2.41	2.38	2.20	2.24	2.15	2.33	2.17	2.19	2.23	2.20	2.44	2.23	
35 All personsav. per house	3.62	3.71	3.66	3.71	3.90	3.79	3.79	4.50	3.72	3.52	3.07	3.45	3.13	3.66	3.51	3.67	3.27	
LAND AREA																		
36 Croplandpercent	72.93	87.32	87.93	81.19	74.98	50.54	54.07	82.44	78.46	77.04	57.58	78.55	36.89	62.66	53.75	33.18	60.86	
37 Permanent Pasturepercent	12.37	2.66	4.35	6.59	7.93	16.40	20.22	5.11	11.55	10.79	23.93	11.21	34.08	20.66	24.45	30.72	13.42	
38 Orchardpercent	.41	.08	.49	.10	1.11	1.47	1.28	.03	.19	.07	.25	.25	1.40	.34	.50	1.80	1.03	
39 Woodlandpercent	8.55	6.10	3.46	7.09	9.34	15.91	17.97	6.15	5.30	6.94	11.43	5.85	17.71	8.93	13.97	18.87	15.99	
40 Idlepercent	2.81	.79	1.12	1.72	3.24	12.75	3.68	3.03	1.38	2.12	4.16	1.38	7.60	4.69	4.70	12.89	5.42	
41 Lanes, service areas, etc.. percent	2.93	3.05	2.65	3.31	3.40	2.93	2.78	3.24	3.12	3.04	2.65	2.76	2.32	2.72	2.63	2.54	3.28	
42 Totalpercent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
43 Acreage in schedulesTotal	804,689	147,308	52,794	43,597	64,048	8,900	6,226	7,101	110,116	41,146	9,656	104,733	9,733	19,171	138,456	21,851	16,362	
44 Inventory acreageTotal	23,580,636	2,905,344	601,344	854,874	994,906	410,080	521,664	170,848	2,248,781	1,167,187	603,341	3,962,842	1,114,010	990,362	4,921,088	825,677	785,088	
45 Sample of inventory acreage.percent	3.4	5.1	8.8	5.1	6.4	2.2	1.2	4.2	4.9	3.5	1.6	2.6	.8	1.9	2.8	2.6	2.1	
DAIRY EQUIPMENT & GRADE OF MILK																		
46 Pipeline milkersnumber	532	117	13	23	52	8	4	15	94	7	4	44	4	12	106	8	20	
47 No pipeline milkersnumber	1295	212	68	66	87	16	11	10	178	51	18	119	16	33	291	83	29	
48 Schedules not reporting . . .number	2481	462	206	119	185	54	24	17	300	114	31	268	28	63	449	91	55	
49 Bulk tanksnumber	1005	146	42	27	111	20	15	19	189	32	16	86	11	26	199	26	36	
50 No bulk tanksnumber	993	187	52	63	54	12	6	10	115	38	13	85	13	25	222	72	19	
51 Schedules not reporting . . .number	2310	458	193	118	159	46	18	13	268	102	24	260	24	57	425	84	49	
52 Grade "A" milknumber	1256	175	49	41	131	23	19	22	212	36	16	96	11	25	306	42	45	
53 No grade "A" milknumber	827	167	46	53	42	11	3	8	101	37	12	82	13	26	159	51	12	
54 Schedules not reporting . . .number	2225	449	192	114	151	44	17	12	259	99	25	253	24	57	381	89	47	
LIVESTOCK NUMBERS (SCHEDULES)																		
55 Reporting milk cowsnumber	1902	283	70	88	161	33	23	28	288	58	33	160	23	49	453	85	57	
56 Average number per schedule report'g	23.2	20.8	19.2	17.7	31.0	23.8	36.9	27.0	24.7	18.5	16.2	24.5	16.6	21.5	23.4	14.1	32.8	

ITEM (For definitions, see text)	WATERSHED										WATERSHED								
	State	Maumee	Portage	Sandusky	Huron- Black	Cuyahoga- Chagrin	Grand	Wabash	Miami	Little Miami	Ohio Whiteoak	Brush- Scioto	Raccoon Creek	Hocking	Muskingum	Little Beaver- Sunfish	Mahoning		
1 Reporting young dairy stocknumber	1756	266	64	74	159	33	24	28	273	45	27	148	17	38	418	73	58		
2 Average number per schedule reporting	18.4	17.1	16.2	16.3	21.3	18.3	23.5	15.9	18.4	16.7	12.3	20.2	17.4	21.6	19.2	12.2	20.3		
3 Reporting beef cow herdnumber	999	87	34	37	46	6	4	5	136	55	28	151	21	38	269	57	16		
4 Average number per schedule reporting	16.4	10.3	18.5	13.6	9.4	3.0	9.0	12.0	16.7	18.2	19.9	22.3	22.6	19.6	16.8	10.5	10.9		
5 Reporting fattened beef cattlenumber	1282	226	114	84	55	13	3	6	202	71	21	175	7	44	210	35	8		
6 Average number per schedule reporting	37.1	36.3	51.0	44.3	25.1	12.1	7.7	13.2	39.0	46.1	12.7	46.3	21.6	41.2	28.1	12.5	36.4		
7 Reporting sows and giltsnumber	1369	291	50	85	57	6	5	27	222	90	24	221	7	43	191	33	13		
8 Average number per schedule reporting	16.7	13.3	11.2	17.3	11.1	16.7	3.6	13.4	17.6	36.4	12.2	24.8	8.0	17.5	9.4	5.7	5.8		
9 Reporting market hogsnumber	1541	342	97	108	71	8	3	23	252	97	23	222	7	44	206	24	10		
10 Average number of market hogs sold	181.0	156.5	127.3	173.4	117.9	83.0	16.0	158.4	182.2	441.5	123.0	272.7	57.3	185.4	91.6	31.8	56.3		
11 Reporting brood ewe flocknumber	792	140	35	89	51	2	4	7	122	46	12	132	6	19	109	7	6		
12 Average number per schedule reporting	39.2	27.6	29.2	48.9	39.6	27.5	31.8	25.3	36.7	43.7	30.5	42.6	32.0	59.3	46.8	37.6	19.7		
13 Reporting fat lambsnumber	603	102	28	80	40	2	3	7	80	34	9	104	2	19	81	6	3		
14 Average number per schedule reporting	63.2	51.2	39.3	73.1	79.9	9.5	21.0	219.0	53.1	47.0	47.1	63.1	21.0	70.7	79.2	25.7	49.3		
15 Reporting laying hensnumber	1382	231	85	67	92	19	8	17	192	50	26	142	23	36	283	71	29		
16 Average number per schedule reporting	341.6	5.50	2.30	1.80	4.30	3.50	3.80	250	330	200	330	220	270	390	290	410	490		
SOURCES OF WATER AND RELIABILITY																			
17 With pipelinesnumber	101	16	11	3	17	8	0	1	12	7	2	8	1	1	6	0	4		
18 With no pipelinesnumber	238	44	14	16	13	4	1	2	28	8	3	29	4	8	44	9	11		
19 Schedules not reportingnumber	3969	731	262	189	294	66	38	39	532	157	48	394	43	99	796	173	89		
20 Listing tank trucknumber	387	64	33	29	107	4	0	1	39	15	8	27	2	6	34	11	4		
21 Not listing tank trucknumber	233	43	14	16	13	3	1	3	27	8	3	27	4	8	43	9	11		
22 Schedules not reportingnumber	3688	684	240	163	204	71	38	38	506	149	42	377	42	94	769	162	89		
23 Number of drilled wellsTotal	6383	1352	559	375	353	88	66	70	938	288	29	862	31	160	886	171	139		
24 Highly dependablenumber	5620	1218	495	356	279	77	41	66	832	243	27	771	19	145	783	129	126		
25 Occasional failuresnumber	439	76	34	15	56	5	7	1	58	20	1	52	8	6	54	37	7		
26 Frequent failuresnumber	146	22	17	1	15	2	11	1	25	13	1	14	1	2	16	4	0		
27 Not indicating reliabilitynumber	178	36	13	3	3	4	7	2	23	12	0	25	3	7	33	1	6		
28 Number of dug wellsTotal	2524	170	52	78	346	15	31	19	341	298	60	441	49	64	361	100	72		
29 Highly dependablenumber	1156	70	22	39	131	6	12	5	145	136	38	216	19	42	176	49	37		
30 Occasional failuresnumber	868	62	10	24	143	4	12	14	117	89	12	150	22	17	122	35	25		
31 Frequent failuresnumber	328	19	11	4	61	5	5	0	61	54	4	43	3	3	36	12	4		
32 Not indicating reliabilitynumber	172	19	9	11	11	0	2	0	18	19	6	32	5	2	27	4	6		
33 Number of cisternsTotal	3940	688	173	258	492	23	13	54	511	224	95	438	12	118	620	128	53		
34 Schedules with cisternsnumber	2455	468	126	156	256	18	10	33	333	128	48	285	7	64	367	96	42		
35 Schedules with no cisterns . . .number	1853	323	161	52	68	60	29	9	239	44	5	146	41	44	479	86	62		
36 Number of springsTotal	3662	72	6	36	131	66	21	2	270	167	159	240	84	190	1571	530	69		
37 Highly dependablenumber	2364	55	2	17	71	51	9	2	191	123	109	158	71	140	1000	306	37		
38 Occasional failuresnumber	814	12	1	16	40	8	8	0	53	32	31	56	7	26	363	130	16		
39 Frequent failuresnumber	294	4	3	3	10	5	3	0	21	7	16	13	3	12	121	60	5		
40 Not indicating reliabilitynumber	190	1	0	0	10	2	1	0	5	5	3	13	3	12	87	34	11		
41 Number of streamsTotal	2882	276	79	104	200	37	29	20	327	151	67	325	58	120	814	188	63		
42 Highly dependablenumber	1346	69	35	34	82	20	15	5	171	79	28	172	27	58	433	89	20		
43 Occasional failuresnumber	731	83	13	28	59	7	9	2	76	43	19	70	21	32	186	57	17		
44 Frequent failuresnumber	467	82	20	22	46	3	3	3	54	23	9	55	5	12	90	19	15		
45 Not reporting reliabilitynumber	338	42	11	20	13	7	2	10	26	6	11	28	5	18	105	23	11		
46 Number of farm pondsTotal	1320	44	8	26	151	40	29	2	152	107	105	137	53	59	308	49	40		
47 Schedules with farm ponds . . .number	927	43	8	23	116	23	22	2	113	67	43	92	21	45	227	40	34		
48 Schedules with no farm ponds . .number	3381	748	279	185	208	55	17	40	459	105	10	339	27	63	619	142	70		
49 With at least 1 highly dependable sourcenumber	4076	746	271	201	289	66	36	41	551	160	50	417	42	106	808	172	98		
50 With at least 1 highly dependable sourcepercent	94.6	94.3	94.4	96.6	89.2	84.6	92.3	97.6	96.3	93.0	94.3	96.8	87.5	98.1	95.5	94.5	94.2		
WATER USE BY SOURCES (SCHEDULES)																			
Drilled wells																			
51 For household onlynumber	679	101	55	23	49	20	11	1	74	17	6	54	8	20	146	70	20		
52 For livestock onlynumber	196	38	14	18	20	0	1	0	19	11	1	33	0	5	28	2	5		
53 For household, livestocknumber	963	235	101	66	40	17	10	7	118	30	2	114	1	25	154	22	19		
54 For house, livestock, milk parlor	498	103	22	23	23	5	3	12	108	18	1	50	3	13	92	6	16		
55 For house, livestock, milk parlor fire protectionnumber	412	96	13	21	21	6	5	13	79	15	1	49	4	6	68	4	10		

ITEM (For definitions, see text)		COUNTY										COUNTY								
		State	Adams	Allen	Ashland	Ashtabula	Auglaize	Belmont	Butler	Carroll	Champaign	Clark	Clinton	Columbiana	Coshocton	Crawford	Darke	Defiance	Delaware	
1	For house, livestock, fire protectionnumber	409	1	10	8	1	13	2	2	1	8	8	4	3	4	3	19	6	2	
2	Put to slight or no usenumber	133	5	1	0	0	2	0	1	4	1	6	0	0	1	1	1	1	2	
3	Put to other usesnumber	167	0	11	9	3	5	3	6	0	5	5	4	2	4	2	1	2	3	
Dug wells																				
4	For household onlynumber	408	9	1	6	7	2	7	13	6	2	10	7	4	5	13	1	3	5	
5	For household, livestocknumber	188	2	0	5	2	1	0	8	0	1	7	10	3	0	6	3	0	4	
6	For livestock onlynumber	157	1	0	2	2	2	1	6	3	1	10	6	0	0	4	2	2	2	
7	Put to slight or no usenumber	376	6	0	16	5	4	2	6	0	5	6	4	4	2	7	10	0	5	
8	Put to other usesnumber	284	3	3	4	5	9	1	12	3	1	4	8	6	1	5	8	1	1	
Cisterns																				
9	Household onlynumber	1045	15	21	15	5	41	8	7	3	7	20	11	4	4	7	19	8	8	
10	Put to slight or no usenumber	703	3	8	12	5	19	4	22	4	4	9	7	11	4	9	11	3	6	
11	Put to other usesnumber	670	14	19	22	1	51	5												
Springs																				
12	For household onlynumber	93	0	1	1	0	0	3	14	20	15	18	12	9	3	0	1	1	0	
13	For livestock onlynumber	648	15	1	22	4	1	15	0	4	1	2	1	5	12	0	0	2	0	
14	For household and livestock . . .number	143	3	0	6	1	0	0	6	3	2	1	6	6	2	2	4	2	2	
15	Put to slight or no usenumber	315	7	2	8	7	2	5	1	2	0	5	1	5	6	1	2	0	1	
16	Put to other usesnumber	170	3	0	8	1	2	2												
Streams																				
17	For livestock onlynumber	871	14	9	26	9	6	11	0	3	2	4	1	3	0	0	1	0	1	
18	For livestock, fire or spray . .number	96	4	2	5	0	5	0	11	14	10	12	9	7	8	11	20	4	10	
19	Put to slight or no usenumber	817	2	19	20	9	23	4	3	2	2	1	1	5	3	0	2	0	2	
20	Put to other usesnumber	129	7	2	83	2	6	2												
Farm Ponds																				
21	For livestock onlynumber	272	14	1	3	8	1	5	12	3	2	2	2	3	2	3	3	0	2	
22	For livestock, fire or spray . .number	147	4	0	2	3	3	2	0	0	0	0	1	0	0	0	0	0	0	
23	For irrigation onlynumber	10	0	0	0	0	0	0	0	0	1	2	1	4	1	3	1	1	4	
24	For fire or spray onlynumber	127	2	0	5	4	2	2	1	1	3	5	4	6	2	2	0	2	1	
25	Put to slight or no usenumber	258	4	3	3	5	4	2	7	0	0	1	3	3	0	0	0	0	2	
26	Put to other usesnumber	77	5	1	1	2	0	1												
OTHER USES OF WATER																				
27	Sprinkling the lawnnumber	597	2	17	11	2	17	1	4	1	15	13	4	5	4	6	18	12	11	
28	Not sprinkling the lawnnumber	536	7	3	10	3	18	3	11	7	5	10	2	9	2	8	14	10	4	
29	Schedules not reportingnumber	3175	27	52	62	34	82	23	46	33	40	63	35	39	30	37	55	34	33	
30	Irrigating the gardennumber	891	3	29	15	6	25	2	8	3	12	17	7	11	7	13	20	15	15	
31	Not irrigating the gardennumber	464	6	3	6	3	12	3	10	5	4	10	2	9	2	8	10	6	4	
32	Schedules not reportingnumber	2953	27	40	62	30	80	22	43	33	44	59	32	33	27	30	57	35	29	
33	Flushing milk parlornumber	672	8	13	21	8	33	1	8	7	13	16	5	9	5	5	16	6	13	
34	Not flushing milk parlornumber	110	1	0	1	0	4	1	1	0	2	2	2	2	0	1	2	1	1	
35	Schedules not reportingnumber	3526	27	59	61	31	80	25	52	34	45	68	34	42	31	45	69	49	34	
36	Flushing feeding floorsnumber	254	3	2	7	2	12	0	3	1	1	7	3	2	0	2	4	2	9	
37	Not flushing feeding floorsnumber	123	1	0	1	0	6	1	1	1	2	2	2	3	0	1	3	1	2	
38	Schedules not reportingnumber	3932	32	70	75	37	99	26	57	39	57	77	36	48	36	48	80	53	37	
39	Washing vegetables for market . .number	44	0	0	0	0	0	0	2	0	0	1	0	1	0	0	0	0	2	
40	Not washing vegetables for market .number	127	1	0	1	0	6	1	1	1	2	2	2	3	0	1	3	1	1	
41	Schedules not reportingnumber	4137	35	72	82	39	111	26	58	40	58	83	39	49	36	50	84	55	45	
42	Wash farm equipment, autosnumber	2174	15	43	59	20	62	12	24	20	31	42	16	31	19	29	47	28	26	
43	Don't wash farm equipment, autos .number	88	0	0	0	0	2	0	0	1	1	1	2	1	0	1	3	1	1	
44	Schedules not reportingnumber	2046	21	29	24	19	53	15	37	20	28	43	23	21	17	21	37	27	21	
QUALITY OF WATER (SCHEDULES)																				
45	Listing a quality problemnumber	2517	9	54	45	22	82	10	28	12	37	62	30	27	16	36	64	35	36	
46	Not listing a quality problem . . .number	1670	23	17	35	17	34	13	32	29	22	24	11	24	20	15	21	20	12	
47	Schedules not reportingnumber	121	4	1	3	0	1	4	1	0	1	0	0	2	0	0	2	1	0	
48	Number listing at least 1 quality problem	2517	9	54	45	22	82	10	28	12	37	62	30	27	16	36	64	35	36	
49	Number listing at least 2 quality problems	1542	5	40	26	8	50	1	12	4	19	49	22	12	5	22	53	17	27	
50	Number listing at least 3 quality problems	547	1	12	10	3	13	0	3	3	5	19	8	5	5	9	18	3	11	
51	Number listing at least 4 quality problems	176	0	3	5	0	2	0	0	3	1	4	2	3	3	5	4	2	6	
52	Number listing at least 5 quality problems	80	0	1	2	0	0	0	0	2	0	2	1	2	0	3	0	1	4	
TESTING WATER SUPPLY FOR BACTERIAL CONTAMINATION (SCHEDULES)																				
53	Not testing waternumber	1698	12	33	34	7	33	7	22	16	25	33	20	11	12	23	35	29	15	
54	Testing water 1-2 years ago . . .number	605	7	10	9	10	13	5	5	3	9	18	9	17	9	5	14	7	6	
55	Testing water more than 2 yrs. ago .number	1112	6	21	18	7	51	5	14	7	15	25	10	13	8	14	23	14	22	

ITEM (For definitions, see text)		WATERSHED										WATERSHED						
		State	Maumee	Portage	Sandusky	Huron- Black	Cuyahoga- Chagrin	Grand	Wabash	Miami	Little Miami	Ohio Whiteoak	Scioto	Raccoon Creek	Hocking	Muskingum	Little Beaver- Sunfish	Mahoning
1	Listing silt as a problemnumber	43	3	2	0	3	1	1	0	11	0	0	4	0	0	12	3	1
2	Listing sand as a problemnumber	101	22	3	1	8	0	0	0	21	9	0	14	0	3	18	0	1
3	Listing algae as a problemnumber	43	2	2	0	9	1	0	1	2	5	0	6	0	4	5	1	3
4	Listing other problemsnumber	94	19	1	2	13	2	4	0	8	4	0	9	1	3	20	2	4
5	Number listing at least 1 quality problem	2517	529	187	132	193	37	19	27	360	112	10	309	20	46	387	78	63
6	Number listing at least 2 quality problems	1542	347	114	82	118	23	10	23	245	73	6	210	13	27	191	19	34
7	Number listing at least 3 quality problems	547	111	43	25	54	6	5	9	74	33	2	72	9	7	76	5	13
8	Number listing at least 4 quality problems	176	37	17	6	16	1	1	3	14	10	0	23	5	2	35	2	6
9	Number listing at least 5 quality problems	80	12	8	3	12	0	1	0	5	4	0	12	2	0	17	0	3
TESTING WATER SUPPLY FOR BACTERIAL CONTAMINATION (SCHEDULES)																		
10	Not testing waternumber	1698	350	96	85	120	27	10	13	203	78	21	171	21	48	329	98	19
11	Testing water 1-2 years agonumber	605	91	52	30	40	7	9	10	95	24	5	70	1	13	112	18	27
12	Testing water more than 2 yrs. ago.number	1112	218	87	52	76	24	6	16	156	48	7	127	9	22	202	29	31
13	Testing water during 1962number	632	86	38	27	69	8	11	3	97	14	12	44	13	19	127	34	23
14	Schedules not reportingnumber	261	46	14	14	19	12	3	0	21	8	8	19	4	6	76	3	4
RESULTS OF TEST (SCHEDULES)																		
15	Reporting safe waternumber	2076	359	156	99	154	36	25	26	319	72	22	205	22	45	379	74	74
16	With no safe waternumber	77	6	2	1	17	0	1	0	5	4	0	8	0	1	24	5	2
17	Not reporting results of test . . .number	196	30	19	9	14	3	0	3	24	10	2	28	1	8	38	2	5
18	Schedules not reportingnumber	2155	426	129	108	153	42	13	16	248	96	31	218	26	62	443	103	28
ADEQUACY OF WATER (SCHEDULES)																		
19	Running out of water in last 5 yrs.number	538	59	12	15	98	9	10	10	60	41	11	45	8	6	100	40	7
20	Not running out of water in last 5 yrs.number	3474	677	261	174	189	61	27	31	487	125	38	353	36	93	689	131	88
21	Schedules not reportingnumber	296	55	14	19	37	8	2	1	25	6	4	33	4	9	57	11	9
22	Listing a specific number of times of running out of waternumber	403	47	9	12	73	6	7	7	43	27	10	34	5	5	74	31	6
23	Running out of water 1 timenumber	127	18	3	4	15	0	2	5	11	6	3	16	1	1	34	6	0
24	Running out of water 2 timesnumber	185	17	3	2	11	1	1	0	7	4	2	5	2	1	21	11	1
25	Running out of water 3 or more timesnumber	185	17	3	6	47	5	4	2	25	17	5	13	2	3	19	14	5
26	Present supply restricts house use.number	403	37	19	15	61	8	6	1	39	30	8	29	10	5	85	35	10
27	Present supply does not restrict house usenumber	3569	692	251	177	234	57	31	37	485	131	41	371	38	95	694	129	90
28	Schedules not reportingnumber	336	62	17	16	29	13	2	4	48	11	4	31	0	8	67	18	4
29	Present supply restricts livestock.number	130	21	4	4	19	1	2	0	18	9	3	4	4	2	23	13	2
30	Supply does not restrict livestock.number	3241	599	215	159	221	42	26	36	463	132	40	344	36	81	639	116	79
31	Schedules not reportingnumber	937	171	68	45	84	35	11	6	91	31	10	83	8	25	184	53	23
32	Present supply restricts other uses.number	210	26	7	6	27	4	2	0	23	16	5	15	6	3	39	25	3
33	Larger supply would affect the farm organizationnumber	357	49	13	10	35	2	5	1	56	20	8	28	9	7	76	23	13
34	Larger supply would not affect the farm organizationnumber	3555	674	262	183	262	54	30	39	467	143	41	381	35	96	668	124	81
35	Schedules not reportingnumber	396	67	13	15	27	22	4	2	49	9	4	22	4	5	102	35	10
SPRAYING AND IRRIGATION (SCHEDULES)																		
Irrigation																		
36	Irrigating at least 1 crop . . .number	58	11	0	3	5	3	2	0	11	0	0	4	0	1	15	1	2
37	Irrigating at least 2 crops . . .number	16	2	0	1	1	2	0	0	3	0	0	0	0	1	4	1	1
38	Irrigating at least 3 crops . . .number	4	0	0	0	1	0	0	0	1	0	0	0	0	0	2	0	0
39	Number irrigatingTotal	78	13	0	4	7	5	2	0	15	0	0	4	0	2	21	2	3
Spraying																		
40	Spraying orchardnumber	96	6	8	2	12	6	2	0	8	3	0	6	1	2	22	12	6
41	Spraying potatoesnumber	30	5	2	0	3	2	0	0	4	0	0	2	0	0	6	4	2
42	Spraying field cropsnumber	857	222	104	54	55	5	2	7	117	30	3	93	2	10	122	14	17
43	Number sprayingTotal	983	233	114	56	70	13	4	7	129	33	3	101	3	12	150	30	25

ITEM (For definitions, see text)	COUNTY										COUNTY								
	State	Adams	Allen	Ashland	Ashtabula	Auglaize	Belmont	Butler	Carroll	Champaign	Clark	Clinton	Columbiana	Coshocton	Crawford	Darke	Defiance	Delaware	
SCHEDULES, TENURE, & HOUSEHOLDS																			
1 Schedulesnumber	4308	36	72	83	39	117	27	61	41	60	86	41	53	36	51	87	56	48	
2 Tenure of respondentspercent																			
3 Operate own land onlypercent	39.8	72.2	41.7	51.8	53.8	41.9	70.4	23.0	65.9	31.7	36.0	36.6	66.0	66.7	51.0	35.6	21.4	45.8	
4 Operate own land & rentpercent	30.6	13.9	34.7	30.1	28.2	30.8	18.5	36.1	22.0	18.3	23.3	43.9	22.6	19.4	19.6	41.4	48.2	41.7	
5 Operate rented land only. percent	12.4	0	11.1	8.4	0	15.4	7.4	26.2	0	35.0	26.7	14.6	0	5.6	3.9	9.2	19.6	8.3	
6 Own land, but rent to otherspercent	7.5	8.3	9.7	6.0	7.7	8.5	0	9.8	9.8	5.0	4.7	0	1.9	2.8	17.6	10.3	8.9	2.1	
7 Non-farm rural residentpercent	9.7	5.6	2.8	3.6	10.3	3.4	3.7	4.9	2.4	10.0	9.3	4.9	9.4	5.6	7.8	3.4	1.8	2.1	
Households																			
8 Totalnumber	6616	51	99	112	61	151	30	112	48	88	151	71	87	54	76	139	89	80	
9 Hshlds. per scheduleaverage	1.54	1.42	1.38	1.35	1.56	1.29	1.11	1.84	1.17	1.47	1.76	1.73	1.64	1.50	1.49	1.60	1.59	1.67	
10 Schedules with 1 housenumber	2790	24	48	63	23	89	24	31	34	44	48	21	34	24	35	54	34	24	
11 Schedules with 2 housesnumber	1017	10	21	16	11	23	3	18	7	10	25	13	10	8	8	18	16	17	
12 Schedules-3 or more houses. number	501	2	3	4	5	5	0	12	0	6	13	7	9	4	8	15	6	7	
HOUSEHOLD WATER USING EQUIPMENT																			
13 Water under pressurenumber	6137	46	92	105	60	143	27	98	45	82	141	64	82	50	75	130	86	72	
14 No water under pressurenumber	479	5	7	7	1	8	3	14	3	6	10	7	5	4	1	9	3	8	
15 With bathroomsnumber	5745	36	87	102	57	137	20	80	39	75	128	57	79	41	68	126	80	65	
16 No bathroomsnumber	871	15	12	10	4	14	10	32	9	13	23	14	8	13	8	13	9	15	
17 Auto wash machinesnumber	3046	11	43	46	33	73	8	38	14	46	77	36	40	14	33	83	62	37	
18 No auto wash machinesnumber	3570	40	56	66	28	78	22	74	34	42	74	35	47	40	43	56	27	43	
19 Mechanical dishwashersnumber	588	3	2	16	10	7	1	4	3	8	17	11	7	1	5	8	8	9	
20 No mechanical dishwashersnumber	6028	48	97	96	51	144	29	108	45	80	134	60	80	53	71	131	81	71	
21 Garbage disposalsnumber	180	0	3	4	2	4	0	2	0	4	7	3	4	1	5	4	6	2	
22 No garbage disposalsnumber	6434	51	96	108	59	147	30	110	48	84	144	68	83	53	71	135	83	78	
HSHLD. WATER CONDITIONING EQUIPMENT																			
23 With water softenersnumber	1697	2	45	21	8	56	2	6	2	31	43	16	11	3	26	59	37	17	
24 No water softenersnumber	4919	49	54	91	53	95	28	106	46	57	108	55	76	51	50	80	52	63	
25 Iron & sulphur filtersnumber	401	1	11	6	2	19	0	1	4	11	7	7	5	0	5	17	2	4	
26 No iron & sulphur filtersnumber	6215	50	88	106	59	132	30	111	44	77	144	64	82	54	71	122	87	76	
27 With sediment filtersnumber	269	11	2	3	2	9	0	10	1	1	2	6	3	1	0	1	2	4	
28 With no sediment filtersnumber	6347	40	97	109	59	142	30	102	47	87	149	65	84	53	76	138	87	76	
29 With carbon filtersnumber	38	0	1	0	0	1	0	1	1	0	0	1	1	0	0	1	0	0	
30 No carbon filtersnumber	6578	51	98	112	61	150	30	111	47	88	151	70	86	54	76	138	89	80	
31 With chlorinatorsnumber	83	1	0	1	1	1	2	2	0	0	0	0	1	0	0	0	0	2	
32 No chlorinatorsnumber	6533	50	99	111	60	150	28	110	48	88	151	71	86	54	76	139	89	78	
PERSONS IN ABOVE HOUSEHOLDS																			
33 Up to 5 yrs. oldav. per house	.42	.25	.15	.38	.46	.38	.10	.31	.33	.38	.54	.48	.39	.39	.29	.40	.52	.39	
34 5 to 16 yrs. oldav. per house	.98	.67	.49	.94	1.08	.96	.93	.81	.79	1.00	1.07	1.13	1.15	.67	.83	1.24	.85	.71	
35 Over 16 yrs. oldav. per house	2.22	2.27	2.22	2.20	2.26	2.22	2.50	2.16	2.60	2.13	2.10	2.20	2.18	2.04	2.42	2.22	2.24	2.10	
36 All personsav. per house	3.62	3.19	2.86	3.52	3.80	3.56	3.53	3.28	2.72	3.51	3.71	3.81	3.72	3.10	3.54	3.86	3.61	3.20	
37 Persons (Census-1959). av. per house		3.56	3.42	2.47	3.59	3.64	3.47	3.52	3.76	3.40	3.49	3.39	3.76	3.46	3.66	3.56	3.63	3.48	
38 Rural farm population (Census-1959)Total	7829	7382	5867	7297	7136	4886	6,075	3,994	6,187	5,254	5,572	6,669	4,904	6,545	13,405	6,608	6,371		
39 Sample of rural farm populationpercent		2.1	3.8	6.7	3.2	7.5	2.2	6.0	4.5	5.0	10.7	4.9	4.9	3.4	4.1	4.0	4.9	4.0	
LAND AREA																			
40 Croplandpercent	72.93	57.5	82.02	67.37	55.58	83.54	34.49	74.99	47.08	70.49	74.70	79.77	61.35	45.92	80.46	81.54	83.18	78.90	
41 Permanent pasturepercent	12.37	24.6	5.76	13.49	18.02	3.38	42.12	18.30	23.09	17.35	15.33	6.95	18.08	28.67	6.39	7.32	5.01	11.88	
42 Orchardpercent	.41	.26	.08	.66	1.10	.04	1.94	.01	.30	.07	.08	0	3.41	1.85	.04	.07	.07	.07	
43 Woodlandpercent	8.55	10.61	8.31	12.57	19.98	8.76	11.13	3.19	18.35	6.34	5.87	6.64	10.27	14.36	9.23	6.43	7.89	5.55	
44 Idlepercent	2.81	4.14	.62	2.77	2.24	.70	7.76	.68	8.94	3.12	1.53	2.55	2.93	6.36	.59	.89	.67	1.37	
45 Lanes, service areas, etc.. percent	2.93	2.9	3.22	3.15	3.07	3.58	2.55	2.83	2.23	2.63	2.50	3.26	3.95	2.83	3.30	3.75	3.18	2.23	
46 Totalpercent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
47 Acreage in schedulesTotal	804,689	7,204	10,604	15,496	7,191	17,713	4,276	14,023	5,951	13,363	20,348	12,036	7,368	7,624	9,739	15,826	11,366	9,917	
48 Inventory acreageTotal	23,580,636	362,526	232,444	253,692	401,755	238,279	317,982	240,650	238,255	262,397	226,196	249,145	302,276	333,078	241,565	364,709	247,934	263,453	
49 Sample of inventory acreage. percent		3.4	2.0	4.6	1.8	7.4	1.3	5.8	2.5	5.1	9.0	4.8	2.4	2.3	4.0	4.3	4.6	3.8	
DAIRY EQUIPMENT & GRADE OF MILK																			
50 Pipeline milkersnumber	532	1	8	18	5	32	0	10	4	5	6	3	9	3	4	14	6	7	
51 No pipeline milkersnumber	1295	11	27	29	12	34	11	17	18	21	26	10	19	16	15	30	13	18	
52 Schedules not reportingnumber	2481	24	37	36	22	51	16	34	19	34	54	28	25	17	32	43	37	23	
53 Bulk tanksnumber	1005	9	11	28	17	49	7	22	13	24	24	8	27	4	3	25	11	17	
54 No bulk tanksnumber	993	9	24	21	6	21	9	9	11	10	14	8	8	16	16	23	10	10	
55 Schedules not reportingnumber	2310	18	37	34	16	47	11	30	17	26	48	25	18	16	32	39	35	21	
56 Grade "A" milknumber	1256	9	15	44	21	51	10	24	18	28	24	8	30	12	7	29	12	17	

ITEM (For definitions, see text)	COUNTY										COUNTY									
	Erie	Fairfield	Fayette	Franklin	Fulton	Geauga	Greene	Guernsey	Hamilton	Hancock	Hardin	Henry	Highland	Hocking	Holmes	Huron	Jackson	Knox	Licking	
SCHEDULES, TENURE, & HOUSEHOLDS																				
1 Schedulesnumber	56	103	22	50	57	27	68	22	24	39	75	77	40	23	37	49	24	45	42	
Tenure of respondents																				
2 Operate own land only . . percent	21.4	51.5	45.5	30.0	29.8	44.4	23.5	77.3	20.8	28.2	37.3	16.9	57.5	65.2	59.5	28.6	58.3	62.2	61.9	
3 Operate own land & rent . . percent	51.8	27.2	13.6	38.0	45.6	22.2	23.5	22.7	37.5	30.8	32.0	40.3	17.5	21.7	24.3	44.9	29.2	28.9	19.0	
4 Operate rented land only. percent	12.5	9.7	36.4	12.0	21.1	0	35.3	0	8.3	15.4	21.3	35.1	15.0	0	5.4	12.2	0	4.4	4.8	
5 Own land, but rent to others. percent	5.4	6.8	4.5	14.0	1.8	7.4	14.7	0	12.5	20.5	5.3	6.5	7.5	4.3	8.1	6.1	4.2	2.2	11.9	
6 Non-farm rural resident . percent	8.9	4.9	0	6.0	1.8	25.9	2.9	0	20.8	5.1	4.0	1.3	2.5	8.7	2.7	8.2	8.3	2.2	2.4	
Households																				
7 Totalnumber	117	184	48	91	92	32	150	29	34	49	128	124	60	29	50	78	37	64	64	
8 Hshlds. per schedule . . average	2.09	1.79	2.18	1.82	1.61	1.19	2.21	1.32	1.42	1.26	1.71	1.61	1.50	1.26	1.35	1.59	1.54	1.42	1.52	
9 Schedules with 1 house. . .number	26	58	10	21	35	23	28	16	17	31	37	47	27	18	25	29	16	29	27	
10 Schedules with 2 houses . .number	13	24	4	19	16	3	18	5	4	6	26	19	8	4	11	13	5	13	11	
11 Schedules-3 or more houses.number	17	21	8	10	6	1	22	1	3	2	12	11	5	1	1	7	3	3	4	
HOUSEHOLD WATER USING EQUIPMENT																				
12 With water under pressure . .number	111	175	38	80	90	32	139	27	33	49	118	113	52	26	50	72	33	63	62	
13 No water under pressure . . .number	6	9	10	11	2	0	11	2	1	0	10	11	8	3	0	6	4	1	2	
14 With bathroomsnumber	102	161	36	74	89	32	132	22	32	47	116	106	42	23	44	71	32	60	59	
15 No bathroomsnumber	15	23	12	17	3	0	18	7	2	2	12	18	6	6	6	7	5	4	5	
16 Auto wash machinesnumber	55	86	27	40	49	20	74	8	17	30	60	71	20	11	23	38	11	32	37	
17 No auto wash machinesnumber	62	98	21	51	43	12	76	21	17	19	68	53	40	18	27	40	26	32	27	
18 Mechanical dishwashers . . .number	13	13	11	11	9	6	20	1	1	5	11	10	3	1	0	15	2	7	6	
19 No mechanical dishwashers . .number	104	171	37	80	83	26	130	28	33	44	117	114	57	28	50	63	35	57	58	
20 With garbage disposals . . .number	3	8	3	3	4	2	1	0	0	0	2	1	1	0	1	4	0	1	2	
21 No garbage disposalsnumber	114	176	45	88	88	30	149	29	34	49	126	123	59	29	49	74	37	63	62	
HSHLD. WATER CONDITIONING EQUIPMENT																				
22 With water softenersnumber	13	52	13	43	32	11	31	3	3	15	62	32	2	3	15	13	3	12	15	
23 No water softenersnumber	104	132	35	48	60	21	119	26	31	34	66	92	58	26	35	65	34	52	49	
24 Iron & sulphur filters.number	4	8	3	13	5	3	12	1	0	2	11	6	2	1	4	5	2	7	4	
25 No iron & sulphur filters . . .number	113	176	45	78	87	29	138	28	34	47	117	118	58	28	46	73	35	57	60	
26 With sediment filtersnumber	9	2	2	5	2	0	2	3	0	1	7	3	1	0	3	5	0	2	0	
27 No sediment filtersnumber	108	182	46	86	90	32	148	26	34	48	121	121	59	29	47	73	37	62	64	
28 With carbon filtersnumber	1	0	1	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	
29 No carbon filtersnumber	116	184	47	91	92	32	150	29	33	48	128	123	59	29	50	78	37	64	64	
30 With chlorinatorsnumber	7	0	0	2	0	0	3	3	0	0	2	1	0	1	0	4	0	0	1	
31 No chlorinatorsnumber	110	184	48	89	92	32	147	26	34	49	126	123	60	28	50	74	37	64	63	
PERSONS IN ABOVE HOUSEHOLDS																				
32 Up to 5 yrs. oldav. per house	.56	.46	.75	.47	.30	.31	.43	.38	.38	.35	.36	.46	.45	.28	.50	.46	.22	.47	.28	
33 5 to 16 yrs. oldav. per house	1.22	1.01	1.15	.76	1.43	1.09	1.00	.55	.71	.90	.76	1.27	.87	1.21	1.10	1.22	.65	.97	.78	
34 Over 16 yrs. oldav. per house	2.19	2.38	2.40	2.14	2.17	2.91	2.19	2.17	2.21	2.16	2.05	2.06	2.20	2.17	2.12	2.26	2.22	2.16	2.36	
35 All personsav. per house	3.97	3.85	4.30	3.37	3.90	4.31	3.62	3.10	3.30	3.41	3.17	3.79	3.52	3.66	3.72	3.94	3.09	3.60	3.42	
36 Persons(Census-1959). av. per house	3.36	3.47	3.28	3.31	3.68	4.41	3.41	3.17	3.57	3.42	3.43	3.61	3.37	3.59	4.55	3.70	3.92	3.35	3.39	
37 Rural farm population (Census-1959)Total	3589	7404	4951	5390	8660	4470	5880	4094	2369	8443	7114	7875	7755	2089	9613	7761	2715	6220	8776	
38 Sample of rural farm populationpercent	12.9	9.6	4.2	5.7	4.1	3.1	9.2	2.2	4.7	2.0	5.7	6.0	2.7	5.1	1.9	4.0	4.2	3.7	2.5	
LAND AREA																				
39 Croplandpercent	78.28	78.82	80.61	86.33	89.19	36.79	78.06	30.74	79.62	87.41	84.45	89.86	69.77	37.14	49.73	74.63	37.65	63.88	54.43	
40 Permanent pasturepercent	6.73	11.76	12.49	6.41	.61	23.68	11.53	48.50	11.76	1.70	5.21	1.31	14.26	34.80	18.93	7.34	34.45	20.56	29.37	
41 Orchardpercent	2.22	.15	.04	.11	.03	2.60	.07	.02	.93	.13	.23	.03	.05	.85	.28	1.06	2.66	.27	.07	
42 Woodlandpercent	6.07	4.43	4.01	2.96	6.12	24.09	5.80	13.42	3.73	6.27	5.86	4.65	9.86	17.95	23.50	10.04	15.87	10.63	10.98	
43 Idlepercent	3.77	1.70	.19	.63	1.11	10.47	1.33	6.18	2.14	.93	.62	.91	3.59	6.93	5.22	3.36	6.53	2.23	2.24	
44 Lanes, service areas, etc.. percent	2.93	3.14	2.67	3.56	2.95	2.36	3.22	1.12	1.82	3.55	3.62	3.23	2.47	2.34	2.34	3.56	2.84	2.47	2.91	
45 Totalpercent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	
46 Acreage in schedulesTotal	12,875	19,365	7,561	9,842	11,068	3,686	16,733	4,447	2,576	6,107	16,200	14,508	7,639	3,638	6,737	13,833	5,219	8,380	8,925	
47 Inventory acreageTotal	138,035	308,076	249,928	271,928	247,892	231,698	241,793	316,207	112,709	318,932	284,491	253,118	339,457	240,751	261,395	299,259	252,988	315,793	411,571	
48 Sample of inventory acreage.percent	9.3	6.3	3.0	3.6	4.5	1.6	6.9	1.4	2.3	1.9	5.7	5.7	2.3	1.5	2.6	4.6	2.1	2.7	2.2	
DAIRY EQUIPMENT & GRADE OF MILK																				
49 Pipeline milkersnumber	10	16	0	5	11	4	2	2	0	4	7	11	4	0	11	4	2	6	3	
50 No pipeline milkersnumber	13	34	4	14	12	8	22	13	10	10	22	21	11	9	8	13	6	13	13	
51 Schedules not reporting . . .number	33	53	18	31	34	15	44	7	14	25	46	45	25	14	18	32	16	26	26	
52 Bulk tanksnumber	17	27	1	15	9	6	17	4	0	4	9	13	11	3	12	9	7	13	10	
53 No bulk tanksnumber	7	27	3	5	12	6	14	10	10	10	19	19	6	7	7	12	4	10	12	
54 Schedules not reporting . . .number	32	49	18	30	36	15	37	8	14	25	47	45	23	13	18	28	13	22	20	
55 Grade"A" milknumber	20	26	1	15	11	7	18	8	1	4	12	19	11	3	19	12	7	17	12	

ITEM (For definitions, see text)	COUNTY										COUNTY									
	Logan	Lorain	Lucas	Madison	Mahoning	Marion	Medina	Mercer	Miami	Monroe	Morgan	Morrow	Muskingum	Ottawa	Paulding	Perry	Pickaway	Portage	Preble	Putnam
SCHEDULES, TENURE & HOUSEHOLDS																				
1 Schedulesnumber	56	105	59	22	29	22	77	90	79	31	39	31	40	64	23	30	43	41	47	21
Tenure of respondents																				
2 Operate own land only . . .percent	42.9	40.0	22.0	31.8	48.3	22.7	40.3	56.7	24.1	65.5	59.0	48.4	57.5	21.9	8.7	66.7	25.6	48.8	44.7	38.1
3 Operate own land & rent . . .percent	30.4	34.3	33.9	31.8	34.5	36.4	32.5	30.0	34.2	20.7	28.2	32.3	30.0	46.9	56.5	20.0	37.2	29.3	29.8	28.6
4 Operate rented land only . . .percent	21.4	5.7	25.4	22.7	3.4	36.4	9.1	4.4	21.5	7.9	5.1	0	0	9.4	17.4	0	27.9	2.4	8.5	9.5
5 Own land, but rent to others . . .percent	3.6	7.6	13.6	9.1	3.4	0	9.1	5.6	15.2	0	0	19.4	5.0	17.2	8.7	0	7.0	9.8	12.8	23.8
6 Non-farm rural resident . . .percent	1.8	12.4	5.1	4.5	10.3	4.5	9.1	3.3	5.3	7.9	7.7	0	7.5	4.7	8.7	13.3	2.3	9.8	4.3	0
Households																				
7 Totalnumber	79	166	99	47	46	40	117	109	125	42	52	49	66	95	29	39	89	68	83	26
8 Hshlds. per schedule . . .average	1.41	1.58	1.68	2.14	1.59	1.82	1.52	1.21	1.58	1.35	1.33	1.58	1.65	1.48	1.26	1.3	2.07	1.66	1.77	1.24
9 Schedules with 1 house . . .number	37	63	34	12	17	13	50	73	48	22	28	18	26	44	18	23	17	24	26	17
10 Schedules with 2 houses . . .number	15	27	14	2	9	5	19	15	21	8	10	10	9	11	4	5	13	14	11	3
11 Schedules-3 or more houses .number	4	15	11	8	3	4	8	2	10	1	1	3	5	9	1	2	13	3	10	1
HOUSEHOLD WATER USING EQUIPMENT																				
12 Water under pressurenumber	76	163	98	43	43	36	109	103	118	34	47	46	56	90	29	38	82	66	79	26
13 No water under pressure . . .number	3	3	1	4	3	4	8	6	7	8	5	3	10	5	0	1	7	2	4	0
14 With bathroomsnumber	75	162	95	41	39	34	108	89	107	31	41	42	45	88	28	32	72	64	67	25
15 No bathroomsnumber	4	4	4	6	7	6	9	20	18	11	11	7	21	7	1	7	17	4	16	1
16 Auto wash machinesnumber	37	83	69	24	23	20	63	47	60	2	8	22	11	55	18	10	40	33	34	14
17 No auto wash machinesnumber	42	83	30	23	23	20	54	62	65	40	44	27	55	40	11	29	49	35	49	12
18 Mechanical dishwashersnumber	11	18	11	13	4	8	12	4	6	0	3	6	5	15	2	2	7	13	4	1
19 No mechanical dishwashers . . .number	68	148	88	34	42	32	105	105	119	42	49	43	61	80	27	27	82	55	79	25
20 Garbage disposalsnumber	3	2	2	3	2	3	2	0	3	0	0	3	2	2	0	2	1	2	4	0
21 No garbage disposalsnumber	76	164	97	44	44	37	115	109	122	42	52	46	65	93	29	37	88	66	79	26
HSULD. WATER CONDITIONING EQUIPMENT																				
22 With water softenersnumber	43	19	26	20	11	20	12	31	40	2	1	14	7	31	14	5	27	26	18	5
23 No water softenersnumber	36	147	73	27	35	20	105	78	85	40	51	35	59	64	15	34	62	42	65	21
24 Iron & sulphur filtersnumber	13	5	8	9	5	6	7	6	16	0	0	2	2	1	2	0	5	4	6	6
25 No iron & sulphur filtersnumber	66	161	91	38	41	34	110	103	109	42	52	47	64	94	27	39	84	64	77	20
26 With sediment filtersnumber	4	13	1	1	1	3	10	4	5	4	5	0	6	1	0	2	7	1	8	1
27 No sediment filtersnumber	75	153	98	46	45	37	107	105	120	38	47	49	60	94	29	37	82	67	75	25
28 With carbon filtersnumber	1	2	1	0	1	0	1	3	0	1	0	0	1	1	0	0	0	0	1	1
29 No carbon filtersnumber	78	164	98	47	45	40	116	106	125	41	52	49	65	94	29	39	89	68	82	25
30 With chlorinatorsnumber	0	15	3	0	1	0	5	0	0	0	2	0	2	0	0	0	0	0	1	0
31 No chlorinatorsnumber	79	151	96	47	45	40	112	0	125	42	50	49	64	95	29	39	89	68	82	26
PERSONS IN ABOVE HOUSEHOLDS																				
32 Up to 5 yrs. oldav. per house	.22	.54	.35	.57	.46	.30	.42	.71	.41	.24	.31	.41	.35	.45	.72	.31	.42	.51	.35	.15
33 5 to 16 yrs. oldav. per house	.58	1.16	.85	.91	.87	.85	1.03	1.90	.95	.48	.83	.92	.80	.93	1.52	.64	.73	1.09	1.07	.73
34 Over 16 yrs. oldav. per house	2.34	2.26	2.36	2.36	2.35	2.18	2.15	2.59	2.02	2.31	2.29	2.37	2.06	2.18	2.55	2.10	2.09	2.26	2.17	1.96
35 All personsav. per house	3.14	3.96	3.56	3.84	3.68	3.33	3.60	5.20	3.38	3.03	3.43	3.70	3.21	3.56	4.79	3.05	3.24	3.86	3.59	2.84
36 Persons(Census-1959).av. per house	3.52	3.60	3.35	4.02	3.75	3.16	3.37	4.10	3.38	3.53	3.55	3.54	3.49	3.27	3.38	3.47	3.39	3.87	3.61	4.20
37 Rural farm population (Census-1959)Total	6389	5598	3810	5940	4587	5003	5851	9818	7486	4297	3586	6362	5693	4447	4458	3346	5927	6221	7528	10,098
38 Sample of rural farm populationpercent	3.9	11.7	9.2	3.0	3.7	2.7	7.2	5.8	5.7	3.0	5.0	2.8	3.7	7.6	3.1	3.6	4.9	4.2	4.0	.7
LAND AREA																				
39 Croplandpercent	70.55	70.97	92.75	83.20	61.52	78.83	70.45	85.73	87.78	31.18	23.34	71.61	42.48	86.67	89.99	52.33	83.27	60.61	81.43	88.68
40 Permanent pasturepercent	16.58	8.67	.34	12.41	12.02	8.27	10.76	3.10	5.97	37.46	50.88	12.68	36.44	2.37	3.53	26.63	8.90	11.50	7.89	.63
41 Orchardpercent	.27	1.38	.16	.10	2.22	.05	.14	.06	.13	.07	.60	.13	.54	1.63	0	.24	.01	.50	.21	.33
42 Woodlandpercent	8.88	11.66	3.61	2.19	10.43	8.07	10.38	6.71	2.51	22.64	17.17	10.93	13.33	4.68	3.12	13.04	4.32	12.07	6.38	4.69
43 Idlepercent	2.20	3.86	.37	.67	9.76	2.08	4.88	1.30	.46	5.99	6.34	1.51	4.62	2.34	1.04	5.62	.78	12.44	.39	.03
44 Lanes, service areas, etc.. . .percent	1.53	3.45	2.76	1.43	4.04	2.70	3.40	3.09	3.16	2.66	1.66	3.15	2.60	2.31	2.32	2.13	2.71	2.87	3.70	5.63
45 Totalpercent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
46 Acreage in schedulesTotal	11,517	17,370	10,870	8,040	3,462	5,635	12,259	14,200	14,813	4,108	8,833	6,351	8,818	9,214	4,906	4,502	15,338	5,789	10,738	3,004
47 Inventory acreageTotal	279,984	278,490	124,771	287,672	158,349	244,868	216,919	276,585	240,802	275,682	256,154	249,445	404,447	145,491	253,681	231,846	312,643	274,843	259,510	295,071
48 Sample of inventory acreage .percent	4.1	6.2	8.7	2.8	2.2	2.3	5.7	5.1	6.2	1.5	3.4	2.5	2.2	6.3	1.9	1.9	4.9	2.1	4.1	1.0
DAIRY EQUIPMENT & GRADE OF MILK																				
49 Pipeline milkersnumber	12	15	1	3	1	0	19	33	9	1	3	6	6	1	2	3	3	4	10	2
50 No pipeline milkersnumber	19	38	9	1	10	7	24	24	21	13	13	8	11	15	3	15	8	9	14	5
51 Schedules not reportingnumber	25	52	49	18	18	15	34	33	49	17	23	17	23	48	18	12	32	28	23	14
52 Bulk tanksnumber	18	41	1	2	4	3	39	40	15	2	6	6	3	8	1	1	6	14	16	3
53 No bulk tanksnumber	14	24	9	1	7	5	14	23	17	13	12	7	10	13	4	14	7	6	9	5
54 Schedules not reportingnumber	24	40	49	19	18	14	24	27	47	16	21	18	27	43	18	15	30	21	22	13
55 Grade "A" milknumber	23	43	1	2	7	5	45	48	18	14	6	8	10	7	3	2	9	16	16	3

ITEM (For definitions, see text)	COUNTY										COUNTY								
	Richland	Ross	Sandusky	Seneca	Shelby	Stark	Summit	Trumbull	Tuscarawas	Union	Van Wert	Warren	Washington	Wayne	Williams	Wood	Wyandot		
SCHEDULES, TENURE, & HOUSEHOLDS																			
1 Schedulesnumber	26	37	90	78	90	99	24	42	45	35	65	54	226	106	78	207	59		
Tenure of respondents																			
2 Operate own land only . . percent	50.0	37.8	32.2	41.0	40.0	51.5	37.5	59.5	57.8	42.9	18.5	38.9	68.7	47.2	37.2	24.2	35.6		
3 Operate own land & rent . . percent	15.4	27.0	36.7	24.4	37.8	26.3	33.3	28.6	33.3	25.7	50.8	20.4	14.9	32.1	41.0	44.0	33.9		
4 Operate rented land only. percent	3.8	21.6	20.0	23.1	13.3	3.0	4.2	0	2.2	5.7	15.4	18.5	0	6.6	12.8	21.7	15.3		
5 Own land, but rent to others. percent	19.2	8.1	10.0	6.4	5.6	5.1	0	7.1	2.2	22.9	12.3	7.4	6.0	7.5	3.8	6.8	13.6		
6 Non-farm rural resident . percent	11.5	5.4	1.1	5.1	3.3	14.1	25.0	4.8	4.4	2.9	3.1	14.8	10.4	6.6	5.1	3.4	1.7		
Households																			
7 Totalnumber	39	72	167	112	126	152	27	67	63	52	93	94	260	167	140	300	92		
8 Hshlds. per schedule . . . average	1.50	1.95	1.86	1.44	1.40	1.54	1.13	1.60	1.40	1.49	1.43	1.74	1.15	1.58	1.79	1.45	1.56		
9 Schedules with 1 house . . number	15	18	48	52	69	65	21	27	29	23	47	28	195	61	37	143	36		
10 Schedules with 2 houses . . number	9	10	24	19	11	25	3	10	15	8	12	16	29	32	26	47	17		
11 Schedules-3 or more houses. number	2	9	18	7	10	9	0	5	1	4	6	10	2	13	15	17	6		
HOUSEHOLD WATER USING EQUIPMENT																			
12 Water under pressure . . . number	39	63	155	104	117	138	26	63	61	50	88	86	195	160	131	284	90		
13 No water under pressure . . number	0	9	12	8	9	14	1	4	2	2	5	8	65	7	9	16	2		
14 With bathroomsnumber	38	53	149	100	111	136	24	59	56	48	88	79	171	161	127	274	87		
15 No bathroomsnumber	1	19	18	12	15	16	3	8	7	4	5	15	89	6	13	26	5		
16 Auto wash machines number	24	31	91	57	63	46	8	29	22	17	53	44	45	93	82	159	37		
17 No auto wash machines . . . number	15	41	76	55	63	106	19	38	41	35	40	50	215	74	58	141	55		
18 Mechanical dishwashers . . number	6	6	25	6	13	7	1	16	5	1	4	14	9	21	12	13	5		
19 No mechanical dishwashers . number	33	66	142	106	113	145	26	51	58	51	89	80	251	146	128	287	87		
20 Garbage disposalsnumber	1	2	7	3	3	2	0	6	1	0	5	3	3	5	4	3	5		
21 No garbage disposals . . . number	38	70	160	109	123	150	27	61	62	52	88	91	257	162	136	297	87		
HSULD. WATER CONDITIONING EQUIPMENT																			
22 With water softeners number	15	15	64	31	45	36	7	20	10	14	34	12	10	29	71	109	31		
23 No water softenersnumber	24	57	103	81	81	116	20	47	53	38	59	82	250	138	69	191	61		
24 Iron & sulphur filters . . . number	5	2	7	2	12	9	5	5	1	3	6	2	1	10	7	19	4		
25 No iron & sulphur filters . . number	34	70	160	110	114	143	22	62	60	49	87	92	259	157	133	281	88		
26 With sediment filters . . . number	1	1	13	5	5	4	3	2	1	3	3	5	12	3	5	7	2		
27 No sediment filtersnumber	38	71	154	107	121	148	24	65	62	49	90	89	248	164	135	293	90		
28 With carbon filtersnumber	0	0	2	0	0	0	1	0	0	0	1	1	0	0	0	2	0		
29 No carbon filtersnumber	39	72	165	112	126	152	26	67	63	52	92	93	260	167	140	298	92		
30 With chlorinatorsnumber	0	2	2	1	0	1	0	0	0	1	1	2	0	0	0	5	0		
31 No chlorinatorsnumber	39	70	165	111	126	151	27	67	63	51	92	92	260	167	140	295	92		
PERSONS IN ABOVE HOUSEHOLDS																			
32 Up to 5 yrs. oldav. per house	.41	.32	.37	.63	.67	.34	.30	.34	.40	.27	.33	.59	.37	.52	.60	.47	.36		
33 5 to 16 yrs. oldav. per house	.90	1.18	1.11	1.50	1.42	.70	.81	.66	1.02	.75	1.00	.93	.88	1.04	1.19	.96	1.02		
34 Over 16 yrs. oldav. per house	2.26	2.13	2.13	2.29	2.40	2.10	2.11	2.36	2.32	2.21	2.08	2.05	2.35	2.24	1.97	2.27	2.15		
35 All personsav. per house	3.57	3.63	3.61	4.42	4.49	3.14	3.22	3.36	3.74	3.23	3.41	3.57	3.60	3.80	3.76	3.70	3.53		
36 Persons(Census-1959). av. per house	3.76	3.49	3.49	3.75	3.90	3.89	3.77	3.71	3.77	3.33	3.22	3.45	3.85	4.19	3.49	3.24	3.47		
37 Rural farm population (Census-1959) Total	6632	5885	7557	8674	7794	8926	2407	5,838	5,855	6,494	6,054	5,507	6,210	12,534	7,044	9,487	5,509		
38 Sample of the rural farm population percent	2.1	4.4	8.0	5.7	7.3	5.3	3.6	3.9	4.0	2.6	5.2	6.1	15.1	5.1	7.5	11.7	5.9		
LAND AREA																			
39 Croplandpercent	57.79	74.71	83.27	81.12	81.84	69.88	64.23	58.09	50.62	78.17	91.29	67.93	26.89	72.35	82.68	90.25	82.93		
40 Permanent pasturepercent	19.68	11.07	6.01	6.99	7.61	15.93	12.63	11.36	23.59	10.96	1.65	17.00	34.36	11.09	3.29	3.65	6.78		
41 Orchardpercent	1.24	.48	.14	.13	.05	.37	.63	1.74	.19	2.39	.05	.38	.38	.44	.11	.23	.02		
42 Woodlandpercent	15.47	8.83	4.55	6.37	6.24	7.18	11.05	18.50	17.50	3.96	3.76	7.81	22.95	10.12	9.81	2.65	6.34		
43 Idlepercent	3.73	2.18	2.22	1.64	.90	3.27	8.61	7.43	5.56	.98	.75	3.58	12.53	3.09	1.07	.82	1.54		
44 Lanes, service areas, etc., percent	2.08	2.73	3.81	3.76	3.35	3.38	2.84	2.88	2.54	3.63	2.48	3.31	2.48	2.91	3.03	2.40	2.38		
45 Totalpercent	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00		
46 Acreage in schedules Total	4,181	11,337	17,697	15,752	15,361	11,434	22,170	8,010	6,977	6,312	16,822	11,003	214,120	18,358	15,270	42,188	13,471		
47 Inventory acreage Total	291,040	419,757	241,921	333,161	246,203	288,647	124,446	351,300	341,000	257,960	239,504	245,517	375,089	329,955	255,237	366,273	247,955		
48 Sample of inventory acreage. percent	1.4	2.7	7.3	4.7	6.2	4.0	17.8	2.3	2.0	2.4	7.0	4.5	57.1	5.6	6.0	11.5	5.4		
DAIRY EQUIPMENT & GRADE OF MILK																			
49 Pipeline milkersnumber	4	5	13	9	27	17	3	6	4	2	7	2	4	16	18	9	7		
50 No pipeline milkersnumber	3	7	18	27	26	32	7	12	18	8	19	19	76	45	19	51	16		
51 Schedules not reporting . . . number	19	25	59	42	37	50	14	24	23	25	39	33	146	45	41	147	36		
52 Bulk tanksnumber	4	7	25	14	43	23	3	11	14	3	9	6	12	40	16	18	10		
53 No bulk tanksnumber	3	5	11	23	19	24	7	10	11	8	15	16	73	27	19	43	15		
54 Schedules not reporting . . . number	19	25	54	41	28	52	14	21	20	24	41	32	141	39	43	146	34		
55 Grade "A" milknumber	5	7	28	25	50	35	8	17	24	7	13	8	14	60	17	25	12		

ITEM (For definitions, see text)		COUNTY										COUNTY								
		State	Adams	Allen	Ashland	Ashtabula	Auglaize	Belmont	Butler	Carroll	Champaign	Clark	Clinton	Columbiana	Coshocton	Crawford	Darke	Defiance	Delaware	
LIVESTOCK NUMBERS (SCHEDULES)																				
1	Reporting milk cows number	1902	21	25	50	23	66	16	30	25	35	30	15	34	25	17	40	19	24	
2	Average number per schedule reporting	23.2	16.3	21.6	32.8	38	24.4	17.0	30.5	18.6	26.1	26.9	20.1	27.3	16.8	18.5	24.2	23	27.6	
3	Reporting young dairy stock number	1756	16	25	50	24	64	14	28	27	31	29	12	33	22	11	42	19	22	
4	Average number per schedule reporting	18.4	10.8	18.1	24.8	26.2	17.9	13.0	21	10.6	23.3	24.1	15.5	18.4	15.0	16.7	16.7	20.2	23.5	
5	Reporting beef cow herd number	999	19	18	19	4	8	11	21	13	11	26	11	9	15	13	19	6	10	
6	Average number per schedule reporting	16.4	21.7	8.1	18.3	9.0	10.0	10.3	20.8	11.2	28.2	24.1	16.2	12.4	13.8	18.0	9.3	14.8	15.3	
7	Reporting fattened beef cattle number	1282	14	30	24	20	24	7	24	8	19	37	20	9	16	27	29	14	18	
8	Average number per schedule reporting	37.1	12.2	20.6	30.2	10.5	26.8	22.7	28.4	11.1	41.4	82.8	38.8	29.8	27.6	34.1	29.8	83.6	49.4	
9	Reporting sows and gilts number	1369	11	34	27	6	60	11	29	7	22	27	29	7	12	21	40	14	20	
10	Average number per schedule reporting	16.7	14.5	11.8	7.8	4.0	15.4	3.4	18.6	7.4	17.8	25.1	42.7	6.9	12.3	18.2	17.1	14.4	21	
11	Reporting market hogs number	1541	10	34	31	3	65	7	37	7	20	34	29	12	18	29	42	20	20	
12	Average number of market hogs sold	181.0	125.0	134.0	99.0	42.0	177.6	23.1	218.9	40.4	246.5	296.4	547.2	65.3	94.4	155.7	162.2	182.9	241.3	
13	Reporting brood ewe flock number	792	7	24	13	5	33	1	12	3	20	20	15	3	12	26	19	1	14	
14	Average number per schedule reporting	39.2	47.9	41.4	53.5	28.6	24.9	70	28.3	22.3	26.1	54.2	55.8	90.0	39.3	43.2	37.9	60	47.3	
15	Reporting fat lambs number	603	5	16	13	4	20	1	10	0	10	17	11	3	8	22	13	2	10	
16	Average number per schedule reporting	63.2	41.4	69.5	74.8	23.3	54.2	25	38.7	0	43.0	69.2	52.7	52.7	199.9	51.8	159.8	46	72.9	
SOURCES OF WATER AND RELIABILITY																				
17	With pipelines number	101	2	1	1	1	0	0	1	0	2	2	0	0	0	0	0	2	1	
18	With no pipelines number	238	3	3	1	0	8	1	0	1	2	8	2	2	0	3	7	0	4	
19	Schedules not reporting number	3969	31	68	81	38	109	26	60	40	56	76	39	51	36	48	80	54	43	
20	Listing tank truck number	387	3	1	7	1	10	3	22	1	0	2	2	3	0	8	3	0	9	
21	Not listing tank truck number	233	3	3	1	0	7	1	0	1	2	8	2	2	0	3	7	0	4	
22	Schedules not reporting number	3688	30	68	75	38	100	23	39	39	58	76	37	48	36	40	77	56	35	
23	Number of drilled wells Total	6383	36	137	98	70	168	33	65	36	103	152	81	63	32	61	160	90	94	
24	Highly dependable number	5620	30	132	90	44	158	21	46	30	94	138	66	62	29	57	149	80	78	
25	Occasional failures number	439	1	4	5	8	5	10	9	2	5	4	6	1	0	4	5	8	15	
26	Frequent failures number	146	1	0	3	11	1	2	9	0	0	2	5	0	1	0	1	1	1	
27	Not indicating reliability number	178	4	1	0	7	4	0	1	4	4	8	4	0	2	0	5	1	0	
28	Number of dug wells Total	2524	30	6	41	34	27	13	105	14	13	68	102	22	8	59	37	9	32	
29	Highly dependable number	1156	18	5	18	16	10	6	28	7	9	40	46	9	5	25	13	5	14	
30	Occasional failures number	868	7	0	11	12	13	5	44	4	3	21	29	10	2	28	16	3	13	
31	Frequent failures number	328	2	0	9	5	3	2	31	2	1	2	24	2	1	2	3	0	1	
32	Not indicating reliability number	172	3	1	3	1	1	0	2	1	0	5	3	1	0	4	5	1	4	
33	Number of cisterns Total	3940	64	61	92	16	145	24	114	11	20	48	53	30	14	66	67	19	56	
34	Schedules with cisterns number	2455	32	48	49	11	91	17	56	8	14	37	32	21	9	43	46	16	33	
35	Schedules with no cisterns number	1853	4	24	34	28	26	10	5	33	46	49	9	32	27	8	41	40	15	
36	Number of springs Total	3662	105	5	93	22	5	108	37	137	29	69	42	59	152	12	14	17	17	
37	Highly dependable number	2364	79	4	71	7	3	66	15	95	17	55	28	37	95	5	9	11	8	
38	Occasional failures number	814	18	1	16	7	1	18	17	17	8	9	8	12	44	3	5	4	5	
39	Frequent failures number	294	7	0	6	3	1	11	5	5	4	3	3	7	9	4	0	2	3	
40	Not indicating reliability number	190	1	0	0	5	0	13	0	20	0	2	3	3	4	0	0	0	1	
41	Number of streams Total	2882	46	44	87	29	48	32	52	49	38	53	53	45	54	25	44	7	30	
42	Highly dependable number	1346	19	11	62	10	17	10	17	33	16	35	25	32	25	9	18	1	13	
43	Occasional failures number	731	9	13	7	11	12	12	20	4	12	13	13	5	12	3	7	3	11	
44	Frequent failures number	467	10	17	10	3	17	5	14	3	8	4	12	1	3	7	8	3	4	
45	Not reporting reliability number	338	8	3	8	5	2	5	1	9	2	1	3	7	14	6	11	0	2	
46	Number of farm ponds Total	1320	77	6	18	29	10	14	55	5	12	21	22	24	12	11	6	4	16	
47	Schedules with farm ponds number	927	29	5	14	22	10	12	32	4	12	51	17	20	11	9	5	4	14	
48	Schedules with no farm ponds number	3381	7	67	69	17	107	15	29	37	48	71	24	33	25	42	82	52	34	
49	With at least 1 highly dependable source number	4076	34	70	80	36	113	27	53	39	57	81	38	52	35	47	86	54	46	
50	With at least 1 highly dependable source percent	94.6	94.4	97.2	96.4	92.3	96.6	100.00	86.9	95.1	95.0	94.2	92.7	98.1	97.2	92.2	98.9	96.4	95.8	
WATER USE BY SOURCES (SCHEDULES)																				
Drilled Wells																				
51	For household only number	679	6	2	5	12	10	12	12	7	9	12	6	6	3	5	8	13	4	
52	For livestock only number	196	1	4	3	2	4	1	2	1	0	1	5	4	1	7	1	3	4	
53	For household, livestock number	963	2	31	18	7	22	5	7	7	16	22	6	11	6	14	23	15	15	
54	For house, livestock, milk parlor number	498	0	5	13	4	34	0	5	5	14	14	6	7	1	2	13	11	9	
55	For house, livestock, milk parlor, fire protection number	412	1	8	12	5	26	0	3	3	6	10	3	10	3	2	20	3	4	

ITEM (For definitions, see text)	COUNTY										COUNTY									
	Erie	Fairfield	Fayette	Franklin	Fulton	Geauga	Greene	Guernsey	Hamilton	Hancock	Hardin	Henry	Highland	Hocking	Holmes	Huron	Jackson	Knox	Licking	
LIVESTOCK NUMBERS (SCHEDULES)																				
1 Reporting milk cows number	23	49	5	16	16	12	29	11	4	10	27	23	17	9	25	17	7	25	22	
2 Average number per schedule reporting	27.0	23.2	8.8	33.5	21.1	27.8	18.9	14.5	6.8	14.8	18.8	22	21.9	12.7	28.8	21	23.3	26.1	21.5	
3 Reporting young dairy stock number	24	42	4	15	15	12	26	9	2	9	24	25	16	7	23	18	8	23	19	
4 Average number per schedule reporting	22.0	20.4	10.8	18.7	19.0	22.4	17.2	14.1	5	6.6	12.2	19.6	19.3	13	25.5	15.9	25.8	24.9	20.5	
5 Reporting beef cow herd number	7	34	10	15	1	3	27	16	7	4	17	6	12	11	8	11	10	15	25	
6 Average number per schedule reporting	7.0	23.7	43.5	10.7	50.0	3.3	18.6	24.8	15	8	12.6	8	23.8	12.3	14.4	9.2	30.7	12.4	20.3	
7 Reporting fattened beef cattle . . . number	7	48	10	19	25	4	32	9	6	12	33	16	12	7	6	20	3	14	20	
8 Average number per schedule reporting	18.4	41.9	50.0	21.5	77.6	10.0	24.2	17	23	15.5	29.9	27.5	14.8	11.9	15.3	19.2	28.3	27.9	21.9	
9 Reporting sows and gilts number	14	60	16	19	18	1	48	4	0	22	43	21	23	6	12	14	2	11	17	
10 Average number per schedule reporting	12.4	19.6	37.6	10.9	20.9	2	33.9	2	0	11	15.8	13.5	20.0	9	4.2	16.3	9	11.2	13.1	
11 Reporting market hogs number	17	59	15	19	22	4	46	5	3	25	43	29	25	5	9	19	4	14	16	
12 Average number of market hogs sold	112.3	204.8	566.4	130.9	165.8	31.3	376.7	22	93.3	135.9	187.2	19.0	236.4	123.0	60.3	203.5	22.8	95.9	142.8	
13 Reporting brood ewe flock number	8	28	5	14	7	1	18	2	0	16	30	11	10	7	5	12	4	11	14	
14 Average number per schedule reporting	41.8	32.1	79	32.6	9.7	33	36.2	94.5	0	31.4	51.7	13.4	31.7	73.3	22.2	43.4	29.8	79.2	66.4	
15 Reporting fat lambs number	6	26	4	9	3	1	14	2	0	15	31	6	8	4	3	11	2	9	11	
16 Average number per schedule reporting	41.7	47.1	112.3	34.3	17.3	7	37.6	93.5	0	41.5	119.7	19.2	28.4	65	33.0	144.2	21	138.3	82.4	
SOURCES OF WATER AND RELIABILITY																				
17 With pipelines number	4	2	1	0	1	0	1	0	8	1	1	2	1	0	0	0	0	0	0	
18 With no pipelines number	2	4	3	2	2	1	4	2	1	3	8	3	1	0	2	2	2	1	1	
19 Schedules not reporting number	50	97	18	48	54	26	63	20	15	35	66	72	38	23	35	47	22	44	39	
20 Listing tank truck number	26	0	3	3	7	0	6	2	0	6	8	10	2	0	0	16	0	1	0	
21 Not listing tank truck number	2	4	2	2	2	1	5	2	1	3	7	3	1	0	2	2	2	1	3	
22 Schedules not reporting number	28	99	17	45	48	26	57	18	23	30	60	64	37	23	35	31	22	43	39	
23 Number of drilled wells number	75	206	73	89	82	32	188	12	35	68	187	125	42	20	42	52	20	52	60	
24 Highly dependable number	51	194	62	87	71	29	168	9	34	53	169	107	33	19	38	45	11	46	53	
25 Occasional failures number	20	7	4	1	7	2	9	2	0	7	9	12	5	1	2	7	6	3	3	
26 Frequent failures number	3	1	2	1	4	0	7	1	0	4	1	1	3	0	1	0	0	1	1	
27 Not indicating reliability . . . number	1	4	5	0	0	1	4	0	1	4	8	5	1	0	1	0	3	2	3	
28 Number of dug wells Total	97	42	57	41	33	6	82	17	5	1	12	18	49	19	15	68	29	11	16	
29 Highly dependable number	32	20	23	17	9	2	38	8	3	1	4	7	27	8	8	39	13	3	10	
30 Occasional failures number	40	16	22	11	18	2	20	6	1	0	2	5	13	8	6	22	15	6	6	
31 Frequent failures number	24	5	9	4	2	1	15	2	0	0	3	4	3	0	0	4	1	0	0	
32 Not indicating reliability . . . number	1	1	3	9	4	1	9	1	1	0	3	2	6	3	1	3	0	2	0	
33 Number of cisterns Total	85	91	31	58	31	4	91	18	24	36	76	59	43	17	25	78	1	15	32	
34 Schedules with cisterns . . . number	43	56	17	39	21	4	50	12	19	30	48	46	29	10	18	40	1	11	16	
35 Schedules with no cisterns . . . number	13	47	5	11	36	23	18	10	5	9	27	31	11	13	19	9	23	34	26	
36 Number of springs Total	16	113	2	9	8	22	70	73	9	1	10	1	89	34	86	27	36	94	92	
37 Highly dependable number	11	86	2	5	5	16	51	50	8	0	7	0	60	23	46	15	31	60	53	
38 Occasional failures number	4	20	0	2	2	2	15	21	0	1	2	1	20	5	23	7	2	26	17	
39 Frequent failures number	1	7	0	0	0	4	4	2	1	0	0	0	7	5	11	0	0	6	12	
40 Not indicating reliability . . . number	0	0	0	2	1	0	0	0	0	0	1	0	2	1	6	5	3	2	10	
41 Number of streams Total	39	103	24	24	15	21	63	24	8	15	45	23	46	25	35	36	36	41	54	
42 Highly dependable number	11	59	8	13	5	15	39	10	4	1	17	2	32	8	12	17	20	25	31	
43 Occasional failures number	19	24	11	2	1	3	13	6	1	4	11	10	9	9	11	12	11	10	14	
44 Frequent failures number	5	11	4	6	7	1	7	4	0	4	9	6	2	5	3	4	3	2	5	
45 Not reporting reliability . . . number	4	9	1	3	2	2	4	4	3	6	8	5	3	3	9	3	2	4	4	
46 Number of farm ponds Total	23	42	4	2	3	15	12	21	8	0	7	9	31	12	17	12	43	14	16	
47 Schedules with farm ponds . . . number	16	35	2	1	3	12	11	11	7	0	7	9	23	10	12	11	12	12	10	
48 Schedules with no farm ponds . . number	40	68	20	49	54	15	57	11	17	39	68	68	17	13	25	38	12	33	32	
49 With at least 1 highly dependable source number	49	102	21	50	50	27	66	21	22	32	73	70	39	23	35	48	21	45	39	
50 With at least 1 highly dependable source percent	87.5	99.0	95.5	100.0	87.7	100.0	97.1	95.5	91.7	82.1	97.3	90.9	97.5	100.0	94.6	98.0	87.5	100.0	92.9	
WATER USE BY SOURCES (SCHEDULES)																				
Drilled wells																				
51 For household only number	10	13	5	5	10	13	4	5	2	3	7	7	5	4	2	3	6	4	5	
52 For livestock only number	4	5	2	3	2	0	2	1	0	1	4	7	2	1	0	3	0	1	1	
53 For household, livestock . . . number	8	31	4	15	23	5	20	0	6	20	25	25	7	4	8	8	0	8	14	
54 For house, livestock, milk parlor, number	2	14	4	8	4	1	12	1	0	1	10	8	3	3	10	2	2	8	4	
55 For house, livestock, milk parlor, fire protection number	3	13	3	5	3	2	11	0	0	4	10	5	3	1	4	1	0	4	3	

ITEM (For definitions, see text)	COUNTY										COUNTY									
	Logan	Lorain	Lucas	Madison	Mahoning	Marion	Medina	Mercer	Miami	Monroe	Morgan	Morrow	Muskingum	Ottawa	Paulding	Perry	Pickaway	Portage	Preble	Putnam
LIVESTOCK NUMBERS (SCHEDULES)																				
1 Reporting milk cows number	33	55	8	8	12	8	50	63	28	20	24	13	19	12	6	12	13	19	23	6
2 Average number per schedule reporting	25.5	34.3	4.4	18.1	16.7	18.1	32.5	25	22.5	13.7	12.2	26	21.6	16.8	11.3	16.4	29	27.9	24	14.8
3 Reporting young dairy stock number	31	57	4	4	10	6	47	61	27	19	17	9	17	8	4	9	12	20	24	5
4 Average number per schedule reporting	25.2	23.3	7.3	23.6	15.6	19.3	22.8	14.7	19.3	9.6	15.2	19.2	19.4	16.4	6.5	17.1	18.8	18.5	15.3	15
5 Reporting beef cow herd number	12	13	4	10	5	9	12	10	18	13	20	11	19	6	3	15	23	4	14	1
6 Average number per schedule reporting	19.4	8.6	5.3	24.5	4	23.3	8.9	11.2	20.2	9.5	18.5	14.5	22.8	27.2	18	10.9	25.4	4.5	10.3	3
7 Reporting fattened beef cattle number	16	9	13	12	6	10	7	19	31	7	8	6	14	14	5	12	27	10	20	3
8 Average number per schedule reporting	27.8	8.8	33.5	100.1	9	35.5	76.3	13.2	61.1	10.9	12.6	17.8	23.2	35.1	10.4	15.1	62.7	33.8	32.3	23
9 Reporting sows and gilts number	22	12	17	16	3	13	8	54	21	7	8	9	13	12	3	9	23	5	22	8
10 Average number per schedule reporting	14.3	5.4	8.5	34.3	8.7	27.9	7.8	15.8	15.6	3.4	3.8	7.6	11.8	14.2	8.7	5.9	34.3	21	22	11.3
11 Reporting market hogs number	23	13	21	14	4	12	7	53	24	2	7	11	15	15	3	9	20	5	25	9
12 Average number of market hogs sold	134.6	48.5	133.6	410.6	80.8	389.1	45.4	160.0	188.3	45.5	28.4	85.6	134.9	131.1	260	56.6	345.1	119.2	213.8	145.8
13 Reporting brood ewe flock number	23	10	4	4	2	12	6	11	15	1	13	12	9	8	3	3	10	3	9	4
14 Average number per schedule reporting	32.7	49	20.3	56.8	23.5	48.9	16.0	12.1	61.5	40.0	60.2	53.1	39.3	43	44	24.7	47.3	41.7	17	18.8
15 Reporting fat lambs number	19	7	3	4	1	9	2	9	8	2	9	12	8	7	3	3	9	3	5	3
16 Average number per schedule reporting	55.8	110.7	22.7	77.5	40.0	61.1	16.0	95	54.5	26.0	72.8	42.5	50.6	44.1	63.3	23	35	50.7	19	16.3
SOURCES OF WATER AND RELIABILITY																				
17 With pipelines number	0	5	2	0	1	0	2	1	1	0	1	0	0	5	1	0	1	0	2	0
18 With no pipelines number	3	7	3	3	3	1	3	4	5	4	4	4	3	3	2	3	1	2	2	2
19 Schedules not reporting number	53	93	54	19	25	21	72	85	73	27	34	27	37	56	20	27	41	39	43	19
20 Listing tank truck number	1	38	8	0	0	2	8	8	0	4	5	1	4	17	0	1	1	1	4	0
21 Not listing tank truck number	3	7	4	3	3	1	3	5	5	4	4	4	2	3	2	3	1	2	2	2
22 Schedules not reporting number	52	60	47	19	26	19	66	77	74	23	30	26	34	44	21	26	41	38	41	19
23 Number of drilled wellsTotal	107	75	110	71	37	50	94	135	137	31	22	50	32	101	31	32	89	55	70	40
24 Highly dependable number	86	52	99	64	36	48	76	126	120	24	15	44	22	93	28	22	84	50	65	39
25 Occasional failures number	12	15	10	4	0	1	12	1	9	5	2	5	8	4	3	4	4	2	1	1
26 Frequent failures number	3	7	1	0	0	1	5	1	5	2	2	1	0	1	0	0	1	0	3	0
27 Not indicating reliability number	6	1	0	3	1	0	1	7	3	0	3	0	2	3	0	6	0	3	1	0
28 Number of dug wellsTotal	8	118	26	7	23	8	49	20	37	24	34	28	26	3	3	16	77	14	59	4
29 Highly dependable number	4	40	8	3	7	3	17	8	11	12	16	12	9	0	1	7	39	6	22	3
30 Occasional failures number	1	57	8	3	8	4	15	10	16	8	14	11	9	1	1	3	24	5	28	1
31 Frequent failures number	2	18	4	1	6	1	14	0	5	2	1	5	6	2	1	4	12	3	9	0
32 Not indicating reliability number	1	3	6	0	2	0	3	2	5	2	3	0	2	0	0	2	2	0	0	0
33 Number of cisternsTotal	30	150	42	9	14	15	93	121	57	33	77	28	33	53	10	27	45	13	56	19
34 Schedules with cisterns number	24	82	25	7	12	12	54	76	45	24	34	23	21	38	9	16	29	12	31	13
35 Schedules with no cisterns number	32	23	34	15	17	10	23	14	34	7	5	8	19	26	14	14	14	29	16	8
36 Number of springsTotal	48	34	0	27	14	3	54	13	26	89	198	19	168	4	0	63	25	44	48	0
37 Highly dependable number	34	17	0	19	7	0	26	13	25	57	121	11	84	4	0	31	20	35	35	0
38 Occasional failures number	8	9	0	2	3	3	21	0	0	19	43	5	52	0	0	17	5	7	8	0
39 Frequent failures number	6	3	0	0	2	0	7	0	1	8	23	0	10	0	0	8	0	1	3	0
40 Not indicating reliability number	0	5	0	6	2	0	0	0	0	5	11	3	22	0	0	7	0	1	2	0
41 Number of streamsTotal	45	48	7	17	23	11	50	39	38	32	59	18	46	17	2	26	30	24	34	7
42 Highly dependable number	31	22	4	7	9	4	20	5	23	10	18	14	32	8	2	12	19	13	19	1
43 Occasional failures number	4	10	0	3	4	6	11	14	12	11	20	3	6	2	0	8	5	4	3	2
44 Frequent failures number	5	14	3	3	9	0	17	10	3	9	7	0	2	2	0	2	4	3	9	0
45 Not reporting reliability number	5	2	0	4	1	1	2	10	0	2	14	1	6	5	0	4	2	4	3	4
46 Number of farm pondsTotal	12	67	0	0	12	0	37	5	3	11	27	14	28	2	1	21	16	29	20	1
47 Schedules with farm ponds number	10	48	0	0	10	0	33	5	3	10	17	8	14	2	1	13	10	15	13	1
48 Schedules with no farm ponds number	46	57	59	22	19	22	44	85	76	21	22	23	26	62	22	17	33	26	34	20
49 With at least 1 highly dependable source number	54	91	56	20	29	21	70	88	78	29	37	30	38	60	20	30	43	38	47	21
50 With at least 1 highly dependable source percent	96.4	86.7	94.1	90.9	100.0	95.5	90.9	97.8	98.7	93.5	94.9	96.8	95.0	93.8	87.0	100.0	100.0	92.7	100.0	100.0
WATER USE BY SOURCES (SCHEDULES)																				
Drilled wells																				
51 For household only number	7	21	15	2	8	4	12	6	10	9	11	5	6	3	7	7	7	6	5	4
52 For livestock only number	2	3	1	1	1	1	5	2	5	0	1	4	3	1	0	5	4	0	2	2
53 For household, livestock number	13	6	19	6	8	6	18	10	17	5	2	4	4	0	3	4	11	10	9	4
54 For house, livestock, milk parlor number	15	8	0	2	2	2	9	27	9	1	0	5	2	0	2	3	4	4	7	3
55 For house, livestock, milk parlor, fire protection number	9	3	0	5	1	4	7	27	8	0	1	3	1	1	0	1	7	5	4	3

ITEM (For definitions, see text)	COUNTY								COUNTY									
	Richland	Ross	Sandusky	Seneca	Shelby	Stark	Summit	Trumbull	Tuscarawas	Union	Van Wert	Warren	Washington	Wayne	Williams	Wood	Wyandot	
LIVESTOCK NUMBERS (SCHEDULES)																		
1 Reporting milk cowsnumber	7	9	35	41	66	44	12	22	30	10	21	12	76	69	32	43	29	
2 Average number per schedule reporting	36.6	31.9	27.8	17.5	23.8	29.3	18.9	35.3	23.6	17.4	14.5	20.3	7.8	29.1	27	16.1	19.0	
3 Reporting young dairy stocknumber	8	9	34	42	60	48	12	23	29	8	17	7	53	70	34	36	24	
4 Average number per schedule reporting	29.4	23.4	18.4	12.7	14.3	16.8	14.2	26.4	16.9	14.9	15.5	15.4	10.2	22.4	25.1	15.8	17.1	
5 Reporting beef cow herdnumber	9	20	13	14	9	21	7	8	13	10	9	17	78	7	10	23	6	
6 Average number per schedule reporting	19.3	26.4	16.3	8.8	19.1	15.8	7.3	14	14.5	16.9	25.8	15	13.1	11.6	9.5	13	8.7	
7 Reporting fattened beef cattle . . .number	10	15	40	22	25	16	4	2	10	13	15	18	37	23	25	88	20	
8 Average number per schedule reporting	21.2	58.4	63.1	29.0	29.6	15.7	7.3	20	13.7	34.3	11.1	74.3	13.8	79.4	52.4	52	33.5	
9 Reporting sows and giltsnumber	2	19	20	29	42	22	5	4	6	14	12	15	25	23	30	30	25	
10 Average number per schedule reporting	13	29.2	11	10.1	15.1	11.8	6.8	7.5	3.2	10.5	14.1	26.8	4.3	12.1	10.4	10	17.2	
11 Reporting market hogsnumber	4	18	26	37	46	18	3	3	11	18	14	19	18	28	40	71	31	
12 Average number of market hogs sold	62.5	355.6	117.0	95	148.3	101.3	15.7	21	27.5	122.6	196.9	281.4	15.1	108.9	119.3	128.4	188.8	
13 Reporting brood wew flocknumber	7	10	19	33	14	4	1	2	4	10	8	11	6	3	11	22	24	
14 Average number per schedule reporting	36.4	51.5	28.4	50.5	40.3	21.5	33	25	36	23.2	18.8	36.7	15	62	32	15.5	34.3	
15 Reporting fat lambsnumber	7	7	17	28	9	2	0	0	2	7	5	8	3	2	9	15	21	
16 Average number per schedule reporting	27.9	61.4	30.9	51.5	42	2.0	0	0	38.5	244.3	20	46.5	10.7	55	44.7	19.7	37.9	
SOURCES OF WATER AND RELIABILITY																		
17 With pipelinesnumber	0	2	3	0	1	4	0	0	0	1	0	3	1	2	1	8	2	
18 With no pipelinesnumber	0	0	5	6	5	14	3	3	5	2	4	2	7	5	4	9	5	
19 Schedules not reportingnumber	26	35	82	72	84	81	21	39	40	32	61	49	218	99	73	190	52	
20 Listing tank trucknumber	0	3	21	9	3	2	4	0	0	5	0	10	12	3	2	19	11	
21 Not listing tank trucknumber	0	0	5	6	5	14	2	3	5	1	4	1	7	5	4	9	5	
22 Schedules not reportingnumber	26	34	64	63	82	83	18	39	40	29	61	43	207	98	72	179	43	
23 Number of drilled wells Total	37	40	199	123	137	120	26	71	45	73	114	51	126	162	150	413	119	
24 Highly dependablenumber	37	30	190	118	128	109	23	61	43	70	109	36	93	152	140	344	107	
25 Occasional failuresnumber	0	6	5	3	2	5	0	6	2	2	3	10	27	5	7	34	8	
26 Frequent failuresnumber	0	3	1	1	2	0	2	0	0	0	0	3	4	1	1	23	0	
27 Not indicating reliability . . .number	0	1	3	1	5	6	1	4	0	1	2	2	2	4	2	12	4	
28 Number of dug wells Total	7	81	12	30	28	45	13	29	13	4	7	107	121	25	4	58	10	
29 Highly dependablenumber	3	53	5	17	12	19	5	17	6	4	2	55	84	10	4	26	5	
30 Occasional failuresnumber	3	25	4	5	5	19	4	10	6	0	2	33	25	13	0	13	2	
31 Frequent failuresnumber	0	1	2	5	8	2	3	1	0	0	2	14	5	0	0	9	0	
32 Not indicating reliability . . .number	1	2	1	3	3	5	1	1	1	0	1	5	7	2	0	10	3	
33 Number of cisterns Total	13	50	108	111	91	46	15	21	10	43	78	89	234	55	33	132	77	
34 Schedules with cisternsnumber	10	23	57	59	65	35	10	19	8	31	51	42	140	35	32	88	46	
35 Schedules with no cisterns . . .number	16	14	33	19	25	64	14	23	37	4	14	12	86	71	55	119	13	
36 Number of springs Total	19	44	6	12	8	71	17	38	108	2	1	42	437	78	18	4	9	
37 Highly dependablenumber	16	33	4	3	6	44	16	21	72	1	1	29	256	62	15	1	6	
38 Occasional failuresnumber	3	8	1	9	2	17	0	10	27	1	0	8	113	10	2	1	3	
39 Frequent failuresnumber	0	2	1	0	0	7	0	3	6	0	0	2	49	4	1	2	0	
40 Not indicating reliability . . .number	0	1	0	0	0	3	1	4	3	0	0	3	19	2	0	0	0	
41 Number of streams Total	23	42	63	21	29	69	17	24	65	21	19	51	180	75	36	43	34	
42 Highly dependablenumber	14	28	24	6	13	29	12	5	19	6	2	21	93	47	11	18	13	
43 Occasional failuresnumber	5	4	18	5	8	21	2	9	21	5	4	16	58	14	17	9	6	
44 Frequent failuresnumber	2	8	17	7	4	10	3	7	9	4	8	12	17	11	6	8	7	
45 Not reporting reliability . . .number	2	2	4	3	4	9	0	3	16	6	5	2	12	3	2	8	8	
46 Number of farm ponds Total	7	35	10	10	12	21	3	16	5	4	4	65	81	29	1	4	6	
47 Schedules with farm ponds . . .number	7	16	8	10	11	18	3	14	5	4	4	39	64	24	1	4	4	
48 Schedules with no farm ponds . .number	19	21	82	68	79	81	21	28	40	31	61	15	162	82	77	203	55	
49 With at least 1 highly dependable sourcenumber	26	36	87	75	88	93	22	39	45	33	65	49	212	101	76	191	57	
50 With at least 1 highly dependable sourcepercent	100.0	97.3	96.7	96.2	97.8	93.9	91.7	92.9	100.0	94.3	100.0	90.7	93.8	95.3	97.4	92.3	96.6	
WATER USE BY SOURCES (SCHEDULES)																		
Drilled wells																		
51 For household onlynumber	4	4	6	8	8	22	5	7	5	6	12	9	82	16	7	3	6	
52 For livestock onlynumber	2	3	10	5	4	3	0	2	3	5	4	4	1	3	2	1	5	
53 For household, livestock . . .number	6	9	27	27	13	24	7	15	11	11	11	9	6	29	31	0	15	
54 For house, livestock,milk parlor.number	2	3	12	11	31	14	3	6	5	4	7	2	1	17	9	0	8	
55 For house, livestock, milk parlor fire protectionnumber	5	0	12	6	22	7	0	1	6	0	10	1	0	17	15	1	8	

ITEM (For definitions, see text)		WATERSHED										WATERSHED							
		State	Maumee	Portage	Sandusky	Huron- Black	Cuyahoga- Chagrin	Grand	Wabash	Miami	Little Miami	Ohio Brush- Whiteoak	Scioto	Raccoon Creek	Hocking	Muskingum	Little Beaver- Sunfish	Mahoning	
1	For house, livestock, fire protectionnumber	409	113	52	25	17	4	0	6	83	10	1	41	2	5	51	7	12	
2	Put to slight or no usenumber	133	11	6	6	16	5	1	0	14	13	3	12	11	4	22	3	3	
3	Put to other usesnumber	167	66	19	8	20	4	4	3	36	11	1	34	2	8	50	9	5	
Dug wells																			
4	For household onlynumber	408	31	4	15	4	6	7	0	43	33	15	39	15	14	117	45	14	
5	For household, livestocknumber	188	12	5	6	5	1	3	1	31	25	2	37	6	8	36	4	5	
6	For livestock onlynumber	157	20	3	3	3	2	2	0	26	16	3	30	3	7	25	6	4	
7	Put to slight or no usenumber	376	34	21	22	31	5	4	6	50	20	8	54	4	11	77	10	16	
8	Put to other usesnumber	284	34	10	9	10	1	2	3	48	30	10	48	5	12	38	11	12	
Cisterns																			
9	Household onlynumber	1045	200	73	84	73	3	5	17	136	58	25	145	3	23	126	45	17	
10	Put to slight or no usenumber	703	109	30	40	124	8	4	8	104	37	3	90	2	15	93	18	16	
11	Put to other usesnumber	670	159	23	32	23	7	1	8	93	33	20	50	2	26	148	32	9	
Springs																			
12	For household onlynumber	93	3	0	2	0	3	0	0	8	1	0	5	1	3	46	14	6	
13	For livestock onlynumber	648	10	2	10	2	10	4	0	75	38	30	68	16	33	241	81	19	
14	For household and livestocknumber	143	5	0	0	0	3	1	0	7	5	2	11	6	8	83	12	0	
15	For swimming and/or fishingnumber	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	
16	Put to slight or no usenumber	315	17	4	4	37	13	8	2	32	11	10	24	5	15	92	29	9	
17	Put to other usesnumber	170	3	0	3	0	1	0	0	19	9	2	12	2	7	77	12	23	
Streams																			
18	For livestock onlynumber	871	38	13	27	13	14	10	4	129	47	28	108	26	47	278	53	24	
19	For livestock, fire or spraynumber	96	14	6	3	6	0	0	0	11	6	0	17	1	4	22	4	2	
20	For fishing and/or swimmingnumber	75	5	5	4	4	0	0	0	14	2	1	11	0	1	16	9	1	
21	Put to slight or no usenumber	817	140	38	45	70	11	9	9	96	34	13	85	6	15	180	51	14	
22	Put to other usesnumber	129	20	11	6	11	1	2	1	15	1	2	12	2	3	26	10	4	
Farm Ponds																			
23	For livestock onlynumber	272	8	1	5	1	8	9	1	40	23	20	33	11	18	68	12	11	
24	For livestock, fire or spraynumber	147	6	0	3	0	3	3	1	32	10	6	15	3	9	45	4	6	
25	For irrigation onlynumber	10	1	1	0	1	2	0	0	1	2	0	2	0	0	0	0	0	
26	For fire or spray onlynumber	127	8	1	6	1	0	3	0	14	4	5	13	0	9	49	7	7	
27	For fishing and/or swimmingnumber	398	20	2	10	61	8	5	0	49	30	12	38	11	22	105	12	9	
28	Put to slight or no usenumber	258	16	5	9	77	9	6	0	15	17	15	22	5	8	44	11	8	
29	Put to other usesnumber	77	4	0	0	0	1	1	0	11	11	7	7	2	1	21	6	2	
OTHER USES OF WATER																			
30	Sprinkling the lawnnumber	597	128	47	27	41	13	2	10	97	19	2	72	5	13	101	8	9	
31	Not sprinkling the lawnnumber	536	108	34	24	46	8	2	8	81	27	11	35	3	17	101	14	16	
32	Schedules not reportingnumber	3175	555	206	157	237	57	35	24	394	126	40	324	40	78	644	160	79	
33	Irrigating the gardennumber	891	195	77	50	66	15	5	10	128	29	3	106	6	12	146	15	23	
34	Not irrigating the gardennumber	464	86	27	23	42	7	2	8	73	24	9	29	3	18	86	14	13	
35	Schedules not reportingnumber	2953	510	183	135	216	56	32	24	371	119	41	296	39	78	614	153	68	
36	Flushing milk parlornumber	672	120	24	32	56	6	7	19	124	19	12	65	4	12	140	14	16	
37	Not flushing milk parlornumber	110	17	6	3	10	4	0	3	16	7	2	13	1	7	17	4	0	
38	Schedules not reportingnumber	3526	654	257	173	258	68	32	20	432	146	39	353	43	89	689	164	88	
39	Flushing feeding floorsnumber	254	47	7	15	14	1	2	5	36	25	4	53	1	6	29	2	4	
40	Not flushing feeding floorsnumber	123	20	7	4	10	4	0	4	18	7	2	14	1	7	21	4	0	
41	Schedules not reportingnumber	3932	724	273	189	300	73	37	33	518	140	47	364	46	95	796	176	100	
42	Washing vegetables for marketnumber	44	2	5	0	2	2	0	1	6	2	0	11	2	2	5	1	2	
43	Not washing vegetables for marketnumber	127	23	6	5	11	3	0	4	16	7	2	14	1	7	23	5	0	
44	Schedules not reportingnumber	4137	766	276	203	311	73	39	37	550	163	51	406	45	99	818	176	102	
45	Wash farm equipment, autosnumber	2174	439	156	107	163	34	20	30	300	92	25	209	17	44	412	61	54	
46	Don't wash farm equipment, autosnumber	88	14	6	2	7	2	0	3	11	5	2	11	1	6	16	2	0	
47	Schedules not reportingnumber	2046	338	125	99	154	42	19	9	261	75	26	211	30	58	418	119	50	
QUALITY OF WATER (SCHEDULES)																			
48	Listing a quality problemnumber	2517	529	187	132	193	37	19	27	360	112	10	309	20	46	387	78	63	
49	Not listing a quality problemnumber	1670	247	95	74	125	37	19	14	202	54	38	117	26	58	421	90	39	
50	Schedules not reportingnumber	121	15	5	2	6	4	1	1	10	6	5	5	2	4	38	14	2	
51	Listing hardness as a problemnumber	2050	436	165	99	139	32	16	26	301	92	8	245	15	36	313	68	52	
52	Listing iron as a problemnumber	1487	313	100	92	95	25	8	22	246	72	5	223	15	24	192	17	35	
53	Listing sulphur as a problemnumber	527	139	59	39	54	2	4	7	61	16	1	65	6	5	56	5	8	
54	Listing odor as a problemnumber	196	54	20	5	31	0	0	2	16	10	2	14	2	1	29	5	5	
55	Listing color as a problemnumber	205	33	12	5	24	3	1	3	22	16	1	27	5	3	41	2	7	
56	Listing cloudy as a problemnumber	127	13	9	5	16	1	2	1	14	7	1	18	3	3	27	1	3	

ITEM (For definitions, see text)	COUNTY										COUNTY									
	Erie	Fairfield	Fayette	Franklin	Fulton	Geauga	Greene	Guernsey	Hamilton	Hancock	Hardin	Henry	Highland	Hocking	Holmes	Huron	Jackson	Knox	Licking	
1 For house, livestock, fire protection.number	3	10	2	5	5	0	4	0	1	9	13	15	2	2	8	7	1	6	6	
2 Put to slight or no usenumber	2	3	0	2	0	1	3	2	4	0	4	1	0	0	0	4	3	0	4	
3 Put to other usesnumber	4	5	1	6	2	3	5	1	2	1	1	5	2	2	2	2	1	4	1	
Dug Wells																				
4 For household only.number	9	7	1	5	6	1	10	5	1	0	0	4	8	4	2	5	6	0	2	
5 For household, livestock.number	11	5	2	1	3	2	7	4	0	0	0	4	3	2	1	8	3	0	4	
6 For livestock only.number	5	5	5	2	6	1	5	1	2	0	0	1	1	2	0	7	3	1	0	
7 Put to slight or no usenumber	8	7	6	12	6	0	12	1	2	0	6	5	5	5	7	4	1	5	3	
8 Put to other usesnumber	6	5	4	5	1	0	9	1	0	1	5	3	8	1	3	11	3	1	0	
Cisterns																				
9 Household only.number	24	29	7	17	5	1	23	7	5	14	23	19	19	2	2	20	1	3	4	
10 Put to slight or no usenumber	5	12	8	14	5	3	19	2	11	6	12	8	6	4	4	7	0	6	5	
11 Put to other usesnumber	14	15	2	8	11	0	8	3	3	10	13	19	4	4	12	13	0	12	7	
Springs																				
12 For household only.number	0	2	0	0	1	0	0	1	0	0	0	0	1	0	1	1	1	3	2	
13 For livestock only.number	7	20	1	4	1	3	15	10	1	0	1	1	24	8	17	3	6	17	8	
14 For household and livestocknumber	1	10	1	2	1	2	4	5	0	0	1	0	1	1	3	2	4	7	9	
15 Put to slight or no usenumber	1	8	0	3	3	4	4	2	5	1	4	0	2	5	5	7	3	4	4	
16 Put to other usesnumber	2	6	0	0	0	0	4	2	1	0	0	0	1	2	3	2	2	4	3	
Streams																				
17 For livestock only.number	11	33	5	5	0	8	20	10	1	1	8	2	21	13	10	13	13	16	19	
18 For livestock, fire or spray.number	2	4	2	2	0	0	3	2	0	0	2	0	1	1	2	2	0	3	1	
19 Put to slight or no usenumber	10	23	6	10	10	3	15	3	5	11	20	13	5	2	6	11	6	8	9	
20 Put to other usesnumber	5	3	1	1	1	2	0	0	1	1	1	1	1	1	1	1	0	2	0	
Farm Ponds																				
21 For livestock only.number	1	9	1	0	0	4	4	6	3	0	4	1	13	8	2	2	6	6	4	
22 For livestock, fire or spray.number	1	6	1	0	0	2	2	2	0	0	0	2	5	1	5	3	1	2	3	
23 For irrigation onlynumber	0	0	0	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	
24 For fire or spray only.number	7	11	0	0	0	0	0	0	0	0	1	4	3	0	1	2	0	2	3	
25 Put to slight or no usenumber	0	9	0	0	1	5	5	1	3	0	2	0	2	1	3	3	2	2	0	
26 Put to other usesnumber	7	0	0	0	2	0	0	2	1	0	0	1	0	0	1	1	3	0	0	
OTHER USES OF WATER																				
27 Sprinkling the lawn.number	9	10	4	10	2	6	10	0	7	10	13	9	1	7	4	7	4	6	10	
28 Not sprinklin the lawn.number	9	13	2	2	14	2	12	6	2	3	6	10	5	1	4	9	2	3	1	
29 Schedules not reporting.number	38	80	16	38	41	19	46	16	15	26	56	58	34	15	29	33	18	36	31	
30 Irrigating the garden.number	14	18	3	17	5	5	13	0	10	14	27	15	4	5	6	11	3	7	8	
31 Not irrigating the garden.number	8	13	2	1	10	1	9	4	1	4	5	9	5	1	4	8	2	3	1	
32 Schedules not reporting.number	34	72	17	32	42	21	46	18	13	21	43	53	31	17	27	30	19	35	33	
33 Flushing milk parlornumber	10	14	2	7	5	3	11	1	0	1	9	11	6	0	12	3	5	9	5	
34 Not flushing milk parlornumber	0	5	0	1	3	1	0	4	1	0	3	3	1	0	0	2	1	0	0	
35 Schedules not reporting.number	46	84	20	42	49	23	57	17	23	38	63	63	33	23	25	44	18	36	37	
36 Flushing feeding floors.number	2	9	3	5	1	1	17	0	1	2	6	3	5	0	2	2	0	1	2	
37 Not flushing feeding floors.number	0	5	0	1	3	1	0	3	1	0	3	3	1	0	0	2	1	0	1	
38 Schedules not reporting.number	54	89	19	44	53	25	51	19	22	37	66	71	34	23	35	45	23	44	39	
39 Washing vegetables for market.number	2	3	0	3	0	1	0	0	3	0	1	0	0	0	1	0	2	0	0	
40 Not washing vegetables for market.number	0	5	0	1	3	1	0	3	1	0	3	3	1	0	0	2	1	0	1	
41 Schedules not reporting.number	54	95	22	46	54	25	68	19	20	39	71	74	39	23	36	47	21	45	41	
42 Wash farm equipment, autosnumber	27	54	4	28	25	11	44	5	9	26	47	40	16	11	24	26	11	23	20	
43 Don't wash farm equipment, autosnumber	0	5	0	1	3	0	0	3	1	0	2	3	1	0	0	1	1	0	0	
44 Schedules not reporting.number	29	44	18	21	29	16	24	14	14	13	26	34	23	12	13	22	12	22	22	
QUALITY OF WATER (SCHEDULES)																				
45 Listing a quality problem.number	41	64	16	40	34	10	52	8	4	28	64	43	19	8	18	25	11	14	20	
46 Not listing a quality problem.number	14	38	6	10	21	16	15	12	17	11	11	34	20	13	19	22	13	29	19	
47 Schedules not reporting.number	1	1	0	0	2	1	1	2	3	0	0	0	1	2	0	2	0	2	3	
48 Number listing at least 1 quality problem	41	64	16	40	34	10	52	8	4	28	64	43	19	8	18	25	11	14	20	
49 Number listing at least 2 quality problems	24	41	14	27	19	6	33	2	0	19	48	24	11	3	8	16	9	9	13	
50 Number listing at least 3 quality problems	12	11	4	12	4	0	15	1	0	7	19	10	3	0	3	8	7	3	5	
51 Number listing at least 4 quality problems	3	3	1	5	2	0	6	1	0	5	4	4	1	0	2	4	3	0	1	
52 Number listing at least 5 quality problems	2	0	0	2	1	0	2	0	0	2	2	2	0	0	0	2	1	0	0	
TESTING WATER SUPPLY FOR BACTERIAL CONTAMINATION (SCHEDULES)																				
53 Not testing water.number	15	52	9	13	31	11	27	8	4	17	33	33	13	9	11	17	8	24	23	
54 Testing water 1-2 years ago.number	12	13	7	11	7	1	5	1	3	7	4	11	8	3	7	8	1	6	5	
55 Testing water more than 2 years ago.number	14	23	3	19	7	6	25	5	7	10	25	17	6	6	11	12	6	12	6	

ITEM (For definitions, see text)	COUNTY								COUNTY											
	Logan	Lorain	Lucas	Madison	Mahoning	Marion	Medina	Mercer	Miami	Monroe	Morgan	Morrow	Muskingum	Ottawa	Paulding	Perry	Pickaway	Portage	Preble	Putnam
1 For house, livestock, fire protection number	5	0	14	3	2	3	3	7	13	2	0	1	1	0	5	1	5	5	7	4
2 Put to slight or no use number	1	6	0	0	0	0	3	0	2	1	3	2	1	58	0	1	1	2	3	0
3 Put to other uses number	2	3	6	3	2	1	6	10	8	4	0	4	3	0	5	1	1	2	2	0
Dug Wells																				
4 For household only number	0	28	3	1	3	0	11	0	6	10	12	3	10	0	0	3	9	5	8	0
5 For household, livestock number	1	11	2	0	1	0	4	1	5	3	3	3	3	0	0	1	9	1	4	0
6 For livestock only number	1	7	3	1	1	2	2	2	8	3	2	3	1	0	0	5	3	1	1	2
7 Put to slight or no use number	4	13	7	3	6	2	14	6	8	2	3	0	2	3	0	1	3	4	4	2
8 Put to other uses number	2	11	2	1	1	2	5	7	4	4	4	7	2	0	3	2	8	2	9	0
Cisterns																				
9 Household only number	6	44	18	2	3	4	27	35	13	4	9	8	9	28	2	4	15	1	19	2
10 Put to slight or no use number	11	13	5	2	5	5	9	12	16	5	4	11	3	8	3	4	11	6	7	7
11 Put to other uses number	7	25	2	3	4	3	18	29	16	15	21	4	9	1	4	8	3	5	5	4
Springs																				
12 For household only number	3	2	0	0	3	0	3	0	0	0	1	0	4	0	0	1	0	2	0	0
13 For livestock only number	15	7	0	3	2	1	12	5	3	19	24	2	16	0	0	9	6	9	10	0
14 For household and livestock number	0	1	0	0	1	0	1	0	3	1	5	0	5	0	0	2	1	0	0	0
15 Put to slight or no use number	4	8	0	0	6	1	9	4	1	2	4	8	1	1	0	5	6	9	7	0
16 Put to other uses number	0	5	0	1	1	0	2	0	8	4	2	0	8	0	0	3	0	0	2	0
Streams																				
17 For livestock only number	21	12	0	6	5	4	18	12	14	12	19	2	15	5	0	16	12	8	18	0
18 For livestock, fire or spray number	2	2	1	0	1	3	0	3	4	0	0	2	2	0	0	0	1	1	1	0
19 Put to slight or no use number	9	19	2	2	6	1	13	12	11	5	5	8	6	9	1	2	7	8	6	6
20 Put to other uses number	3	3	2	3	5	1	2	3	0	1	0	2	3	2	1	0	0	0	0	0
Farm Ponds																				
21 For livestock only number	3	7	0	0	1	0	7	3	1	5	4	2	6	0	0	2	5	6	4	0
22 For livestock, fire or spray number	4	12	0	0	1	0	5	1	0	1	4	1	2	0	0	5	0	1	3	0
23 For irrigation only number	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0
24 For fire or spray only number	1	0	0	0	2	0	5	0	0	3	1	2	3	0	0	3	1	2	5	0
25 Put to slight or no use number	2	7	0	0	3	0	10	1	2	1	5	2	2	1	1	3	3	6	0	1
26 Put to other uses number	0	22	0	0	3	0	6	0	0	0	3	0	1	0	0	0	1	0	1	0
OTHER USES OF WATER																				
27 Sprinkling the lawn number	8	10	15	5	3	3	9	19	12	0	3	5	4	12	1	1	8	3	9	3
28 Not sprinkling the lawn number	4	12	10	2	2	1	11	9	16	1	7	6	7	5	5	3	2	5	7	4
29 Schedules not reporting number	44	83	34	15	24	18	57	62	51	30	29	20	29	47	17	26	33	33	31	14
30 Irrigating the garden number	12	19	17	8	8	5	15	20	17	3	5	5	5	19	4	3	12	6	9	6
31 Not irrigating the garden number	3	12	7	1	1	1	9	8	16	1	6	6	6	4	4	3	1	4	8	2
32 Schedules not reporting number	41	74	35	13	20	16	53	62	46	27	28	20	29	41	15	24	30	31	30	13
33 Flushing milk parlor number	10	23	0	2	5	1	21	40	15	4	3	6	11	6	1	4	8	5	11	2
34 Not flushing milk parlor number	1	5	0	0	0	0	3	2	1	0	1	2	1	3	1	3	0	0	2	1
35 Schedules not reporting number	45	77	59	20	24	21	53	48	63	27	35	23	28	55	21	23	35	36	34	18
36 Flushing feeding floors number	3	2	1	7	0	4	4	13	4	0	1	2	3	4	2	2	8	2	3	2
37 Not flushing feeding floors number	2	5	0	0	0	0	4	3	1	0	1	3	1	3	1	3	0	0	2	2
38 Schedules not reporting number	51	98	58	15	29	18	69	74	74	31	37	26	36	57	20	25	35	39	42	17
39 Washing vegetables for market number	0	0	0	1	1	1	0	1	0	0	1	1	2	4	0	0	0	0	0	0
40 Not washing vegetables for market number	1	6	0	0	0	0	4	3	1	1	1	4	1	2	2	3	0	0	2	2
41 Schedules not reporting number	55	99	59	21	28	21	73	86	78	30	37	26	37	58	21	27	43	41	45	19
42 Wash farm equipment, autos number	28	45	27	12	15	11	47	55	47	16	17	16	20	38	12	11	20	22	26	14
43 Don't wash farm equipment, autos number	2	5	0	0	0	0	1	2	1	1	1	2	1	2	1	3	0	0	1	0
44 Schedules not reporting number	26	55	32	10	14	11	29	33	31	14	21	13	19	24	10	16	23	19	20	7
QUALITY OF WATER (SCHEDULES)																				
45 Listing a quality problem number	32	58	39	19	17	21	44	50	58	11	9	20	22	38	17	9	28	24	31	11
46 Not listing a quality problem number	23	46	20	2	12	1	32	35	21	17	28	10	17	23	5	19	14	17	16	8
47 Schedules not reporting number	1	1	0	1	0	0	1	5	0	3	2	1	1	3	1	2	1	0	0	2
48 Number listing at least 1 quality problem	32	58	39	19	17	21	44	50	58	11	9	20	22	38	17	9	28	24	31	11
49 Number listing at least 2 quality problems	20	34	24	15	11	14	25	36	40	0	2	11	10	21	11	3	20	17	20	8
50 Number listing at least 3 quality problems	8	11	36	8	5	3	7	9	11	0	0	4	3	7	3	1	7	4	7	5
51 Number listing at least 4 quality problems	3	4	3	2	2	0	2	2	2	0	0	0	2	0	1	0	1	1	0	1
52 Number listing at least 5 quality problems	2	2	1	1	1	0	1	0	0	0	0	0	2	0	0	0	1	0	0	0
TESTING WATER SUPPLY FOR BACTERIAL CONTAMINATION (SCHEDULES)																				
53 Not testing water number	20	41	22	8	9	11	35	29	32	11	19	11	13	20	11	18	22	13	14	5
54 Testing water 1-2 yrs. ago number	8	11	9	4	3	2	6	18	12	4	3	4	6	11	3	2	9	5	7	0
55 Testing water more than 2 yrs. ago number	13	15	18	8	9	8	25	29	22	3	5	8	8	18	6	5	8	19	17	12

ITEM (For definitions, see text)	COUNTY										COUNTY								
	Richland	Ross	Sandusky	Seneca	Shelby	Stark	Summit	Trumbull	Tuscarawas	Union	Van Wert	Warren	Washington	Wayne	Williams	Wood	Wyandot		
1 For house, livestock, fire protection.number	2	1	15	7	7	7	0	6	1	4	10	0	1	10	9	0	10		
2 Put to slight or no usenumber	0	2	1	1	0	2	0	2	0	1	3	2	6	2	1	194	2		
3 Put to other usesnumber	3	3	5	5	4	5	4	2	2	4	8	3	9	4	2	1	4		
Dug Wells																			
4 For household only.number	1	5	2	4	3	7	9	6	4	1	1	10	65	9	1	13	0		
5 For household, livestock.number	1	11	0	2	1	3	1	0	1	0	0	6	9	5	1	5	0		
6 For livestock only.number	2	0	3	1	0	6	0	2	0	2	2	6	2	4	0	2	1		
7 Put to slight or no usenumber	2	3	6	7	11	12	3	7	5	0	2	9	21	0	0	17	6		
8 Put to other usesnumber	1	8	0	3	7	6	0	4	2	0	2	9	9	3	2	10	3		
Cisterns																			
9 Household only.number	6	12	34	26	34	10	7	7	2	20	31	18	74	13	2	47	24		
10 Put to slight or no usenumber	0	7	14	17	19	16	1	8	3	7	9	6	16	14	11	18	12		
11 Put to other usesnumber	4	4	9	16	12	9	2	4	3	4	11	18	50	8	10	23	10		
Springs																			
12 For household only.number	0	2	0	1	1	6	2	1	6	1	0	2	19	0	0	0	2		
13 For livestock only.number	1	1	2	2	2	15	3	12	11	0	0	10	86	21	2	1	4		
14 For household and livestock . . .number	3	0	0	0	0	5	0	0	5	0	0	1	9	7	1	0	0		
15 Put to slight or no usenumber	2	5	3	2	2	11	3	5	3	1	1	4	34	9	1	3	0		
16 Put to other usesnumber	4	15	1	1	1	5	0	1	8	0	0	2	3	9	1	0	0		
Streams																			
17 For livestock only.number	7	13	11	5	5	22	6	11	20	7	0	19	71	28	8	6	9		
18 For livestock, fire or spray. . .number	2	1	3	1	1	1	0	0	0	2	0	0	1	1	2	4	0		
19 Put to slight or no usenumber	4	13	23	11	16	17	5	6	14	7	12	12	60	23	17	19	16		
20 Put to other usesnumber	1	0	1	3	1	7	21	0	0	0	2	2	3	2	2	7	2		
Farm Ponds																			
21 For livestock only.number	3	6	2	2	4	3	0	6	1	0	0	11	24	2	0	1	1		
22 For livestock, fire or spray. . .number	0	5	0	0	4	3	1	3	0	0	0	6	10	2	0	0	0		
23 For irrigation onlynumber	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0		
24 For fire or spray only.number	2	0	1	3	1	6	0	2	3	0	1	6	4	13	0	1	1		
25 Put to slight or no usenumber	1	2	5	5	1	4	0	3	1	4	3	7	15	7	1	2	2		
26 Put to other usesnumber	1	3	0	0	1	2	2	0	0	0	0	8	11	0	0	0	0		
OTHER USES OF WATER																			
27 Sprinkling the lawnnumber	6	4	18	6	12	16	4	0	7	7	8	10	17	12	11	28	6		
28 Not sprinkling the lawn.number	3	6	14	9	11	10	5	7	2	2	8	8	17	22	13	30	2		
29 Schedules not reporting.number	17	27	58	63	67	73	15	35	36	26	49	36	192	72	54	149	51		
30 Irrigating the garden.number	7	4	26	18	20	24	7	6	10	9	17	12	20	22	21	43	13		
31 Not irrigating the garden.number	3	4	13	7	10	9	4	7	2	2	7	9	18	16	12	26	2		
32 Schedules not reporting.number	16	29	51	53	60	66	13	29	33	24	41	33	188	68	45	138	44		
33 Flushing milk parlornumber	3	7	14	13	35	10	4	6	6	3	9	2	4	28	14	10	14		
34 Not flushing milk parlornumber	0	3	0	1	2	4	3	0	1	3	0	6	0	3	0	5	1		
35 Schedules not reporting.number	23	27	76	64	53	85	17	36	38	29	56	46	222	75	64	192	44		
36 Flushing feeding floors.number	2	2	6	2	11	1	1	0	2	2	4	5	3	4	5	2	6		
37 Not flushing feeding floors. . . .number	0	3	1	2	2	4	3	0	1	3	0	6	0	4	0	5	1		
38 Schedules not reporting.number	24	32	83	74	77	94	20	42	42	30	61	43	223	98	73	200	52		
39 Washing vegetables for market. . .number	0	1	1	0	0	0	1	0	0	0	1	2	1	0	0	0	0		
40 Not washing vegetables for market.number	0	3	2	2	2	3	2	0	1	3	0	5	0	5	1	6	1		
41 Schedules not reporting.number	26	33	87	76	88	96	21	42	44	32	64	47	225	101	77	201	58		
42 Wash farm equipment, autosnumber	16	18	53	39	56	51	11	21	26	11	44	27	20	74	48	97	34		
43 Don't wash farm equipment, autos .number	0	2	1	0	2	2	3	0	0	3	0	2	0	3	0	5	1		
44 Schedules not reporting.number	10	17	36	39	32	46	10	21	19	21	21	25	206	29	30	105	24		
QUALITY OF WATER (SCHEDULES)																			
45 Listing a quality problem.number	15	25	53	46	62	55	14	28	24	26	39	26	72	67	56	147	32		
46 Not listing a quality problem. . .number	11	11	37	31	25	43	10	13	20	9	25	26	127	38	21	57	25		
47 Schedules not reporting.number	0	1	0	1	3	1	0	1	1	0	1	2	27	1	1	3	2		
48 Number listing at least 1 quality problem	15	25	53	46	62	55	14	28	24	26	39	26	72	67	56	147	32		
49 Number listing at least 2 quality problems	11	13	29	28	47	30	8	15	15	15	24	17	11	39	39	94	19		
50 Number listing at least 3 quality problems	2	3	10	7	12	12	4	5	7	3	7	4	2	14	6	40	6		
51 Number listing at least 4 quality problems	1	1	1	3	1	2	1	1	4	0	6	3	0	5	0	18	1		
52 Number listing at least 5 quality problems	0	1	1	2	0	2	0	1	1	0	1	1	0	4	0	10	0		
TESTING WATER SUPPLY FOR BACTERIAL CONTAMINATION (SCHEDULES)																			
53 Not testing water.number	5	13	27	26	27	38	9	7	18	13	32	27	127	40	45	85	27		
54 Testing water 1-2 years ago. . . .number	0	0	12	13	26	13	5	13	6	6	7	4	21	15	9	32	11		
55 Testing water more than 2 years ago.number	15	12	20	22	16	26	6	9	10	14	17	15	33	36	13	62	15		

ITEM (For definitions, see text)		COUNTY										COUNTY									
		State	Adams	Allen	Ashland	Ashtabula	Auglaize	Belmont	Butler	Carroll	Champaign	Clark	Clinton	Columbiana	Coshocton	Crawford	Darke	Defiance	Delaware		
1	Testing water during 1962.number	632	4	6	22	12	16	8	20	12	7	10	1	12	5	5	12	5	4		
2	Schedules not reporting...number	261	7	2	0	3	4	2	0	3	4	0	1	0	2	4	3	1	1		
RESULTS OF TEST (SCHEDULES)																					
3	Reporting safe waternumber	2076	15	35	43	28	75	16	34	21	29	49	20	39	18	22	44	23	28		
4	With no safe waternumber	77	0	0	3	1	0	2	1	0	0	1	0	3	1	0	1	0	0		
5	Not reporting results of test.number	196	2	2	3	0	5	0	5	1	2	4	0	0	3	2	4	3	4		
6	Schedules not reporting.number	2155	21	37	37	10	42	9	26	20	31	36	21	11	17	29	42	33	20		
ADEQUACY OF WATER (SCHEDULES)																					
7	Running out of water in last 5 yrs .number	538	7	0	11	9	4	6	28	7	2	8	13	4	5	5	2	3	9		
8	Not running out of water in last 5 yrsnumber	3474	27	70	65	27	111	16	28	32	58	74	27	46	29	42	81	42	34		
9	Schedules not reporting.number	296	2	2	7	3	2	5	5	2	0	4	1	3	2	4	4	11	5		
10	Present supply restricts house use .number	403	6	1	10	6	1	8	18	4	0	3	7	6	3	9	3	1	8		
11	Present supply does not restrict house usenumber	3569	28	67	70	30	112	13	33	34	54	74	30	45	32	38	79	48	39		
12	Schedules not reporting.number	336	2	4	3	3	4	6	10	3	6	9	4	2	1	4	5	7	1		
13	Present supply restricts livestock .number	130	3	1	1	2	0	1	11	2	1	2	2	1	1	2	1	0	0		
14	Supply does not restrict livestock .number	3241	28	63	72	28	102	13	36	31	49	71	30	42	33	38	75	44	44		
15	Schedules not reporting.number	937	5	8	10	9	15	13	14	8	10	13	9	10	2	11	11	12	4		
16	Larger supply would affect the farm organizationnumber	357	8	3	9	5	5	5	15	3	3	5	7	12	3	3	6	2	5		
17	Larger supply would not affect the farm organization.number	3555	24	65	68	31	102	16	37	33	51	72	32	38	32	40	73	51	42		
18	Schedules not reporting.number	396	4	4	6	3	10	6	9	5	6	9	2	3	1	8	8	3	1		

ITEM (For definitions, see text)	COUNTY										COUNTY									
	Erie	Fairfield	Fayette	Franklin	Fulton	Geauga	Greene	Guernsey	Hamilton	Hancock	Hardin	Henry	Highland	Hocking	Holmes	Huron	Jackson	Knox	Licking	
1 Testing water during 1962.number	12	9	2	3	8	5	6	8	1	2	10	10	11	5	5	9	7	3	4	
2 Schedules not reporting.number	3	6	1	4	4	4	5	0	9	3	3	6	2	0	3	3	2	1	4	
RESULTS OF TEST (SCHEDULES)																				
3 Reporting safe waternumber	25	35	12	27	19	10	28	11	11	16	37	31	23	13	20	23	13	17	12	
4 With no safe waternumber	8	0	0	2	1	0	2	1	0	2	0	1	1	0	1	2	0	2	2	
5 Not reporting results of test.number	5	10	0	4	2	2	6	2	0	1	2	6	1	1	2	4	1	1	1	
6 Schedules not reporting.number	23	68	10	21	37	17	38	10	13	21	38	45	16	10	16	24	11	26	28	
ADEQUACY OF WATER (SCHEDULES)																				
7 Running out of water in last 5 yrs .number	22	2	1	3	8	1	10	2	1	4	4	10	3	2	2	12	3	1	3	
8 Not running out of water in last 5 yrs.number	27	94	21	43	44	23	55	17	21	33	67	61	29	20	33	34	19	40	39	
9 Schedules not reporting.number	7	7	0	4	5	3	3	3	2	2	4	6	8	1	2	3	2	4	0	
10 Present supply restricts house use .number	11	0	0	2	5	0	8	4	1	5	1	8	3	2	4	8	4	1	2	
11 Present supply does not restrict house usenumber	39	97	22	46	46	23	57	16	20	32	70	62	31	20	30	39	20	43	39	
12 Schedules not reporting.number	6	6	0	2	6	4	3	2	3	2	4	7	6	1	3	2	0	1	1	
13 Present supply restricts livestock .number	7	0	1	0	6	0	5	1	0	1	0	10	0	0	2	0	3	0	2	
14 Supply does not restrict livestock .number	35	84	19	40	34	12	57	16	16	28	68	50	28	18	28	43	17	42	36	
15 Schedules not reporting.number	14	19	2	10	17	15	6	5	8	10	7	17	12	5	7	6	4	3	4	
16 Larger supply would affect the farm organization.number	13	4	1	1	8	0	8	4	1	2	2	8	4	2	6	5	7	2	3	
17 Larger supply would not affect the farm organization.number	38	96	21	45	47	18	59	16	19	33	70	62	36	19	28	40	17	40	35	
18 Schedules not reporting.number	5	3	0	4	2	9	1	2	4	4	3	7	0	2	3	4	0	3	4	

ITEM (For definitions, see text)	COUNTY										COUNTY									
	Logan	Lorain	Lucas	Madison	Mahoning	Marion	Medina	Mercer	Miami	Monroe	Morgan	Morrow	Muskingum	Ottawa	Paulding	Perry	Pickaway	Portage	Preble	Putnam
1 Testing water during 1962.number	11	29	3	1	6	1	10	11	12	13	6	7	10	13	1	3	3	4	7	1
2 Schedules not reporting.number	4	9	7	1	2	0	1	3	1	0	6	1	3	2	2	2	1	0	2	3
RESULTS OF TEST (SCHEDULES)																				
3 Reporting safe waternumber	28	46	26	13	16	10	34	53	42	16	12	15	21	36	9	9	15	26	26	12
4 With no safe waternumber	0	6	0	0	1	0	2	1	2	3	2	2	1	0	0	0	3	0	0	0
5 Not reporting results of test.number	4	3	4	0	1	1	5	4	2	1	0	2	2	6	1	1	2	2	5	1
6 Schedules not reporting.number	28	53	33	9	12	12	41	36	35	12	25	14	18	28	14	21	25	15	21	9
ADEQUACY OF WATER (SCHEDULES)																				
7 Running out of water in last 5 yrs .number	2	38	2	0	1	1	19	14	4	10	6	8	8	3	2	3	4	6	5	0
8 Not running out of water in last 5 yrs.number	53	58	54	20	25	18	51	69	73	20	28	21	28	55	21	25	38	33	38	17
9 Schedules not reporting.number	1	9	3	2	3	3	7	7	2	1	5	2	4	6	0	2	1	2	4	4
10 Present supply restricts house use .number	0	18	4	0	3	2	16	6	6	3	7	3	4	2	0	3	5	5	6	0
11 Present supply does not restrict house use.number	48	80	52	21	22	20	54	77	68	27	28	24	28	59	22	23	37	35	40	18
12 Schedules not reporting.number	8	7	3	1	4	0	7	7	5	1	4	4	8	3	1	4	1	1	1	3
13 Present supply restricts livestock .number	0	5	1	0	0	0	5	0	2	0	4	2	3	0	0	1	1	0	3	0
14 Supply does not restrict livestock .number	40	65	40	18	19	19	51	75	61	28	22	23	27	46	18	22	37	30	40	15
15 Schedules not reporting.number	16	35	18	4	10	3	21	15	16	3	13	6	10	18	5	7	5	11	4	6
16 Larger supply would affect the farm organizationnumber	3	9	6	1	5	0	8	2	8	6	8	7	6	2	2	1	5	3	6	0
17 Larger supply would not affect the farm organization.number	50	88	48	21	21	21	61	83	69	23	28	24	25	58	19	25	35	37	35	16
18 Schedules not reporting.number	3	8	5	0	3	1	8	5	2	2	3	0	9	4	2	4	3	1	6	5

ITEM (For definitions, see text)	COUNTY								COUNTY									
	Richland	Ross	Sandusky	Seneca	Shelby	Stark	Summit	Trumbull	Tuscarawas	Union	Van Wert	Warren	Washington	Wayne	Williams	Wood	Wyandot	
1 Testing water during 1962.number	4	7	26	10	19	15	4	12	6	1	5	8	13	12	10	14	5	
2 Schedules not reporting.number	2	5	5	7	2	7	0	1	5	1	4	0	32	3	1	14	1	
RESULTS OF TEST (SCHEDULES)																		
3 Reporting safe waternumber	17	15	50	42	59	49	12	31	19	19	28	20	60	56	31	97	29	
4 With no safe waternumber	2	0	0	1	0	0	1	0	1	0	0	2	2	2	0	3	0	
5 Not reporting results of test. . . .number	0	4	8	2	2	5	2	3	2	2	1	5	5	5	1	8	2	
6 Schedules not reporting.number	7	22	40	35	31	50	11	11	25	16	37	32	164	48	47	107	30	
ADEQUACY OF WATER (SCHEDULES)																		
7 Running out of water in last 5 yrs .number	2	8	8	9	3	3	4	2	4	2	1	23	51	6	8	20	6	
8 Not running out of water in last 5 yrs.number	24	27	76	61	83	88	20	35	41	28	61	29	158	92	66	176	48	
9 Schedules not reporting.number	0	2	6	8	4	8	0	5	0	5	3	2	17	8	4	11	5	
10 Present supply restricts house use .number	2	3	5	8	0	6	4	2	2	2	2	11	50	3	1	19	3	
11 Present supply does not restrict house use.number	22	28	79	66	87	87	19	38	41	29	54	37	146	96	71	173	49	
12 Schedules not reporting.number	2	6	6	4	3	6	1	2	2	4	9	6	30	7	6	15	7	
13 Present supply restricts livestock .number	0	0	1	1	0	4	2	0	0	0	2	0	14	1	0	3	2	
14 Supply does not restrict livestock .number	17	26	75	62	86	70	17	32	38	24	43	39	132	88	67	144	41	
15 Schedules not reporting.number	9	11	14	15	4	25	5	10	7	11	20	15	80	17	11	60	16	
16 Larger supply would affect the farm organizationnumber	2	3	4	2	4	8	3	2	1	2	3	8	9	6	3	15	4	
17 Larger supply would not affect the farm organization.number	24	29	84	71	79	78	17	35	41	32	54	43	155	93	72	177	52	
18 Schedules not reporting.number	0	5	2	5	7	13	4	5	3	1	8	3	62	7	3	15	3	